MACTEC

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MA6910138

10/26/05

October 24, 2005

Douglas Corb
NPDES Permit Unit
Mail Code (CPE)
Office of Ecosystem Protection
Environmental Protection Agency
One Congress Street, Suite 110
Boston, Massachusetts 02114-2023

RE: Notice of Intent for Remediation General Permit
NPDES Exclusion # MA 0031496
Bendix Treatment Facility
180 Laurel Street
Greenfield, MA 01301-3109

Dear Mr. Corb:

On behalf of Honeywell International, Inc., MACTEC Engineering and Consulting, Inc. (MACTEC) is forwarding the enclosed completed forms. This form entitled "Section B. Suggested Form for Notice of Intent (NOI) for the Remediation General Permit" is for the above–referenced site. The table of contents provides a listing of the appendices provided a backup and support of the information in the forms including the latest laboratory analyses.

Honeywell and MACTEC remain committed to the safe and effective operation of the groundwater treatment plant. Please contact us at 781-245-6606 with any questions.

Sincerely,
MACTEC Engineering and Consulting, Inc.

Kerry Tull, P.G., LSP
Senior Principal

Eric Axelrod, LSP
Project Manager

Enclosure

cc: Rich Galloway / Honeywell
James O'Loughlin, P.E., LSP / Parsons
Mike Scott / Nutter, McClennen, Fish

MACTEC Project Files [P:\W2-mfg\Honeywell\Besly Products\Transition Items\NOIforRGPltrGreenfield.doc

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MACTEC Engineering and Consulting, Inc.
107 Audubon Road, Bldg. 2, Suite 301 • Wakefield, MA 01880 • Phone: 781-245-6606 • Fax 781-246-5060

B. Suggested Form for Notice of Intent (NOI) for the Remediation General Permit

1. General site information. Please provide the following information about the site:

a) Name of facility/site: Bendix Treatment Facility		Facility/site address: 180 Laurel Street		
Location of facility/site: longitude: 42.579 latitude: 72.619	Facility SIC code(s): 32192	Street: Laurel Street		
b) Name of facility/site owner: Repal, Inc. (Foreclosure)		Town: Greenfield		
Email address of owner: N/A		State: MA	Zip: 01301-3109	County: Franklin
Telephone no.of facility/site owner: N/A				
Fax no. of facility/site owner: N/A		Owner is (check one): 1. Federal____ 2. State/Tribal____ 3. Private__X__ 4. other, if so, describe:		
Address of owner (if different from site): N/A				
Street:				
Town:	State:	Zip:	County:	
c) Legal name of operator: Honeywell	Operator telephone no: (973)455-4640			
	Operator fax no.: (973)455-3082	Operator email: Rich.Galloway@Honeywell.com		
Operator contact name and title: Rich Galloway, Remediation Manager				
Address of operator (if different from owner):	Street: 101 Columbia Road			
Town: Morristown	State: NJ	Zip: 07960-4640	County: Morris	

d) Check "yes" or "no" for the following:
1. Has a prior NPDES permit exclusion been granted for the discharge? Yes X No___, if "yes," number: MA 0031496
2. Has a prior NPDES application (Form 1 & 2C) ever been filed for the discharge? Yes___ No X, if "yes," date and tracking #:
3. Is the discharge a "new discharge"as defined by 40 CFR 122.2? Yes___ No X
4. For sites in Massachusetts, is the discharge covered under the MA Contingency Plan (MCP) and exempt from state permitting? Yes X No___

e) Is site/facility subject to any State permitting or other action which is causing the generation of discharge? Yes X No___ If "yes," please list: 1. site identification # assigned by the state of NH or MA: Tier 1B Permit RTN 1-000079 2. permit or license # assigned: 78715 3. state agency contact information: name, location, and telephone number: Mr. Fish, MADEP, 436 Dwight St., Springfield, MA 01103	f) Is the site/facility covered by any other EPA permit, including: 1. multi-sector storm water general permit? Y___ N X, if Y, number: 2. phase I or II construction storm water general permit? Y___ N X, if Y, number: 3. individual NPDES permit? Y___ N X, if Y, number: 4. any other water quality related permit? Y___ N X, if Y, number:

2. Discharge information. Please provide information about the discharge, (attaching additional sheets as needed) including:

a) Describe the discharge activities for which the owner/applicant is seeking coverage: Groundwater is pumped through UV-Lamp and Hydrogen Peroxide Treatment System and discharged to storm sewer. See attached Flow and Treatment Schematic.		
b) Provide the following information about each discharge:	1) Number of discharge points: One	2) What is the **maximum** and **average flow rate** of discharge (in cubic feet per second, ft3/s)? Max. flow 0.13 cubic ft/sec. Average flow 0.008 Is maximum flow a **design value**? Y X N___ For average flow, include the units and appropriate notation if this value is a design value or estimate if not available.
3) Latitude and longitude of each discharge within 100 feet: pt.1:long.42.579 lat.72.619 pt.2: long.___ lat.___; pt.3: long.___ lat.___; pt.4:long.___ lat.___; pt.5: long.___ lat.___; pt.6:long.___ lat.___; pt.7: long.___ lat.___; pt.8:long.___ lat.___; etc.		
4) If hydrostatic testing, total volume of the discharge (gals): N/A	5) Is the discharge intermittent N or seasonal N? Constant Is discharge ongoing Yes X No___?	
c) Expected dates of discharge (mm/dd/yy): start 1991 end On-Going		
d) Please attach a line drawing or flow schematic showing water flow through the facility including: 1. sources of intake water, 2. contributing flow from the operation, 3. treatment units, and 4. discharge points and receiving waters(s). Attached		

3. Contaminant information. In order to complete this section, the applicant will need to take a minimum of one sample of the untreated water and have it analyzed for all of the parameters listed in Appendix III. Historical data, (i.e., data taken no more than 2 years prior to the effective date of the permit) may be used if obtained pursuant to: i. Massachusetts' regulations 310 CMR 40.0000, the Massachusetts Contingency Plan ("Chapter 21E"); ii. New Hampshire's Title 50 RSA 485-A: Water Pollution and Waste Disposal or Title 50 RSA 485-C: Groundwater Protection Act; or iii. an EPA permit exclusion letter issued pursuant to 40 CFR 122.3, provided the data was analyzed with test methods that meet the requirements of this permit. Otherwise, a new sample shall be taken and analyzed.

a) Based on the analysis of the sample(s) of the untreated influent, the applicant must check the box of the sub-categories that the potential discharge falls within.

Gasoline Only	VOC Only X	Primarily Metals	Urban Fill Sites	Contaminated Sumps	Mixed Contaminants	Aquifer Testing
Fuel Oils (and Other Oils) only	VOC with Other Contaminants	Petroleum with Other Contaminants	Listed Contaminated Sites	Contaminated Dredge Condensates	Hydrostatic Testing of Pipelines/Tanks	Well Development or Rehabilitation

b) Based on the analysis of the untreated influent, the applicant must indicate whether each listed chemical is **believed present** or **believed absent** in the potential discharge. Attach additional sheets as needed.

PARAMETER	Believe Absent	Believe Present	# of Samples (1 min-imum)	Type of Sample (e.g., grab)	Analytical Method Used (method #)	Minimum Level (ML) of Test Method	Maximum daily value		Avg. daily value	
							concentration (ug/l)	mass (kg)	concentration (ug/l)	mass (kg)
1. Total Suspended Solids	X									
2. Total Residual Chlorine	X									
3. Total Petroleum Hydrocarbons	X									
4. Cyanide	X									
5. Benzene	X									
6. Toluene	X									
7. Ethylbenzene	X									
8. (m,p,o) Xylenes	X									
9. Total BTEX[4]	X									

[4] BTEX = Sum of Benzene, Toluene, Ethylbenzene, total Xylenes.

PARAMETER	Believe Absent	Believe Present	# of Samples (1 min-imum)	Type of Sample (e.g., grab)	Analytical Method Used (method #)	Minimum Level (ML) of Test Method	Maximum daily value		Avg. daily value	
							concentration (ug/l)	mass (kg)	concentration (ug/l)	mass (kg)
10. Ethylene Dibromide [5] (1,2- Dibromo-methane)	X									
11. Methyl-tert-Butyl Ether (MtBE)	X									
12. tert-Butyl Alcohol (TBA)	X									
13. tert-Amyl Methyl Ether (TAME)	X									
14. Naphthalene	X									
15. Carbon Tetra-chloride	X									
16. 1,4 Dichlorobenzene	X									
17. 1,2 Dichlorobenzene	X									
18. 1,3 Dichlorobenzene	X									
19. 1,1 Dichloroethane	X									
20. 1,2 Dichloroethane	X									
21. 1,1 Dichloroethylene	X									
22. cis-1,2 Dichloro-ethylene		X								
23. Dichloromethane (Methylene Chloride)	X									
24. Tetrachloroethylene	X									

[5] EDB is a groundwater contaminant at fuel spill and pesticide application sites in New England.

PARAMETER	Believe Absent	Believe Present	# of Samples (1 min-imum)	Type of Sample (e.g., grab)	Analytical Method Used (method #)	Minimum Level (ML) of Test Method	Maximum daily value		Avg. daily Value	
							concentration (ug/l)	mass (kg)	concentration (ug/l)	mass (kg)
25. 1,1,1 Trichloroethane	X									
26. 1,1,2 Trichloroethane	X									
27. Trichloroethylene		X								
28. Vinyl Chloride	X									
29. Acetone	X									
30. 1,4 Dioxane	X									
31. Total Phenols	X									
32. Pentachlorophenol	X									
33. Total Phthalates [6] (Phthalate esthers)	X									
34. Bis (2-Ethylhexyl) Phthalate [Di-(ethylhexyl) Phthalate]	X									
35. Total Group I Polycyclic Aromatic Hydrocarbons (PAH)	X									
a. Benzo(a) Anthracene	X									
b. Benzo(a) Pyrene	X									
c. Benzo(b)Fluoranthene	X									
d. Benzo(k) Fluoranthene	X									
e. Chrysene	X									

[6] The sum of individual phthalate compounds.

PARAMETER	Believe Absent	Believe Present	# of Samples (1 min-imum)	Type of Sample (e.g., grab)	Analytical Method Used (method #)	Minimum Level (ML) of Test Method	Maximum daily value		Average daily value	
							concentration (ug/l)	mass (kg)	concentration (ug/l)	mass (kg)
f. Dibenzo(a,h) anthracene	X									
g. Indeno(1,2,3-cd) Pyrene	X									
36. Total Group II Polycyclic Aromatic Hydrocarbons (PAH)	X									
h. Acenaphthene	X									
i. Acenaphthylene	X									
j. Anthracene	X									
k. Benzo(ghi) Perylene	X									
l. Fluoranthene	X									
m. Fluorene	X									
n. Naphthalene-	X									
o. Phenanthrene	X									
p. Pyrene	X									
37. Total Polychlorinated Biphenyls (PCBs)	X									
38. Antimony	X									
39. Arsenic	X									
40. Cadmium	X									
41. Chromium III	X									
42. Chromium VI	X									

PARAMETER	Believe Absent	Believe Present	# of Samples (1 min-imum)	Type of Sample (e.g., grab)	Analytical Method Used (method #)	Minimum Level (ML) of Test Method	Maximum daily value		Avg. daily value	
							concentration (ug/l)	mass (kg)	concentration (ug/l)	mass (kg)
43. Copper	X									
44. Lead	X									
45. Mercury	X									
46. Nickel	X									
47. Selenium	X									
48. Silver	X									
49. Zinc	X									
50. Iron	X									
Other (describe):	X									

c) For discharges where **metals** are believed present, please fill out the following: N/A

Step 1: Do any of the metals in the influent have a **reasonable potential** to exceed the effluent limits in Appendix III (i.e., the limits set at zero to five dilutions)? Y____ N____	If yes, which metals? N/A
Step 2: For any metals which have **reasonable potential** to exceed the **Appendix III** limits, calculate the **dilution factor (DF)** using the formula in Part I.A.3.c) (step 2) of the NOI instructions or as determined by the State prior to the submission of this NOI. What is the dilution factor for applicable metals? Metals:_____ DF: _____	Look up the limit calculated at the corresponding dilution factor in **Appendix IV.** Do any of the metals in the **influent** have the potential to exceed the corresponding **effluent** limits in Appendix IV (i.e., is the influent concentration above the limit set at the calculated dilution factor)? Y____ N____ If "Yes," list which metals:

4. Treatment system information. Please describe the treatment system using separate sheets as necessary, including:

a) A description of the treatment system, including a schematic of the proposed or existing treatment system: UV/Hydrogen Peroxide

b) Identify each applicable treatment unit (check all that apply):						
	Frac. tank	Air stripper	Oil/water separator	Equalization tanks	Bag filter X	GAC filter
	Chlorination	Dechlorination	Other (please describe): 30 KW Rayox UV Reactor			

c) Proposed **average** and **maximum flow rates** (gallons per minute) for the discharge and the **design flow rate(s)** (gallons per minute) of the treatment system:
Average flow rate of discharge 35 GPM Maximum flow rate of treatment system 60 GPM Design flow rate of treatment system 60 GPM

d) A description of chemical additives being used or planned to be used (attach MSDS sheets): Hydrogen Peroxide

5. Receiving surface water(s). Please provide information about the receiving water(s), using separate sheets as necessary:

a) Identify the discharge pathway:	Direct_____	Within facility__	Storm drain X	River/brook____	Wetlands_____	Other (describe):

b) Provide a narrative description of the discharge pathway, including the name(s) of the receiving waters: The storm drain leads to the Laurel Street drain line extending North to the Green River.

c) Attach a detailed map(s) indicating the site location and location of the outfall to the receiving water: Attached
1. For multiple discharges, number the discharges sequentially.
2. For indirect dischargers, indicate the location of the discharge to the indirect conveyance and the discharge to surface water
The map should also include the location and distance to the nearest sanitary sewer as well as the locus of nearby sensitive receptors (based on USGS topographical mapping), such as surface waters, drinking water supplies, and wetland areas.

d) Provide the state water quality classification of the receiving water Green River is classified, as grade B.

e) Provide the reported or calculated seven day-ten year low flow (7Q10) of the receiving water_____cfs
Please attach any calculation sheets used to support stream flow and dilution calculations.

f) Is the receiving water a listed 303(d) water quality impaired or limited water? Yes____ No X If yes, for which pollutant(s)?
Is there a TMDL? Yes____ No____ If yes, for which pollutant(s)?

6. Results of Consultation with Federal Services: Please provide the following information according to requirements of Part I.B.4 and Appendices II and VII.

a) Are any listed threatened or endangered species, or designated critical habitat, in proximity to the discharge? Yes____No____
Has any consultation with the federal services been completed ? No X or is consultation underway? Yes No X
What were the results of the consultation with the U.S. Fish and Wildlife Service and/or National Marine Fisheries Service (~~check~~ one):
a "no jeopardy" opinion? _____or written concurrence____ on a finding that the discharges are not likely to adversely affect any endangered species or critical habitat?

b) Are any historic properties listed or eligible for listing on the National Register of Historic Places located on the facility or site or in proximity to the discharge?
Yes_____ No__X____ Have any state or tribal historic preservation officer been consulted in this determination (Massachusetts only)? Yes_____ No__X____

7. Supplemental information. :

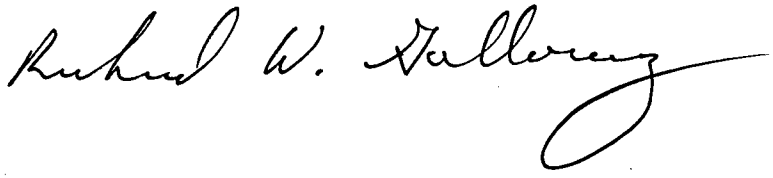
Please provide any supplemental information. Attach any analytical data used to support the application. Attach any certification(s) required by the general permit.

8. Signature Requirements: The Notice of Intent must be signed by the operator in accordance with the signatory requirements of 40 CFR Section 122.22, including the following certification:

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, I certify that the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I certify that I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

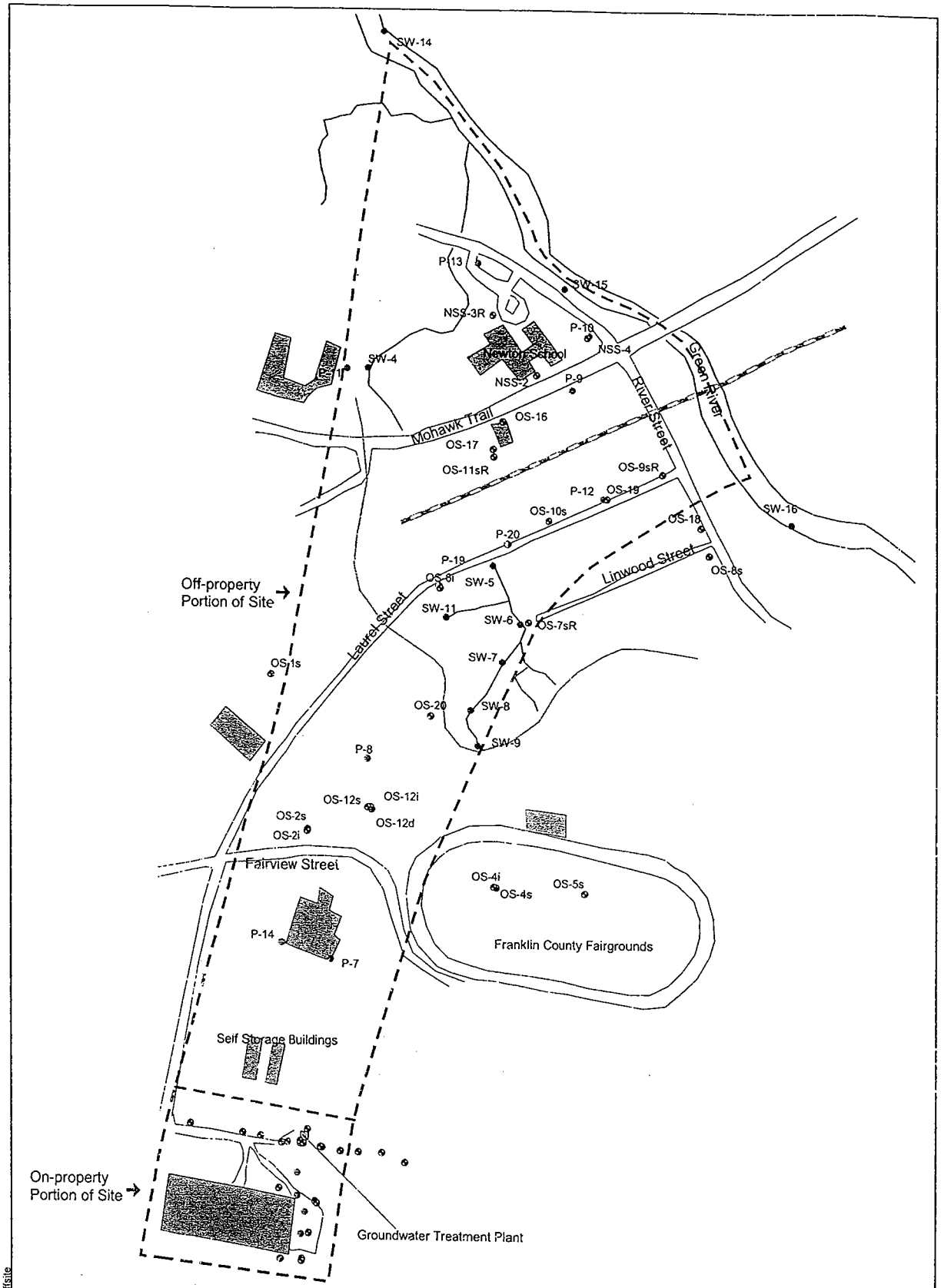
Facility/Site Name: Bendix Treatment Facility

Operator signature: Richard Galloway



Title: Remediation Manager

Date: 10/12/05



LEGEND

- MW-3 Monitoring Well Location
- SW-4 Surface Water Location
- P-7 Geoprobe Profile Location
- Piezometer Location
- Site Boundary
- GW-2 Line
- Building
- Water
- Railroad Tracks

200 0 200 400 Feet

N

Honeywell

PARSONS

Former Besly/Bendix Products Site
Greenfield, MA

Figure 3
Site Map (Off-property)

IRA Completion Report | Date: April 2005

Q:\honeywell\greenfield\semi annual 1004 acr\all offsite

EQUIPMENT DESCRIPTION:

F-1: BAG FILTER

P-1: WATER TABLE DEPRESSION PUMP

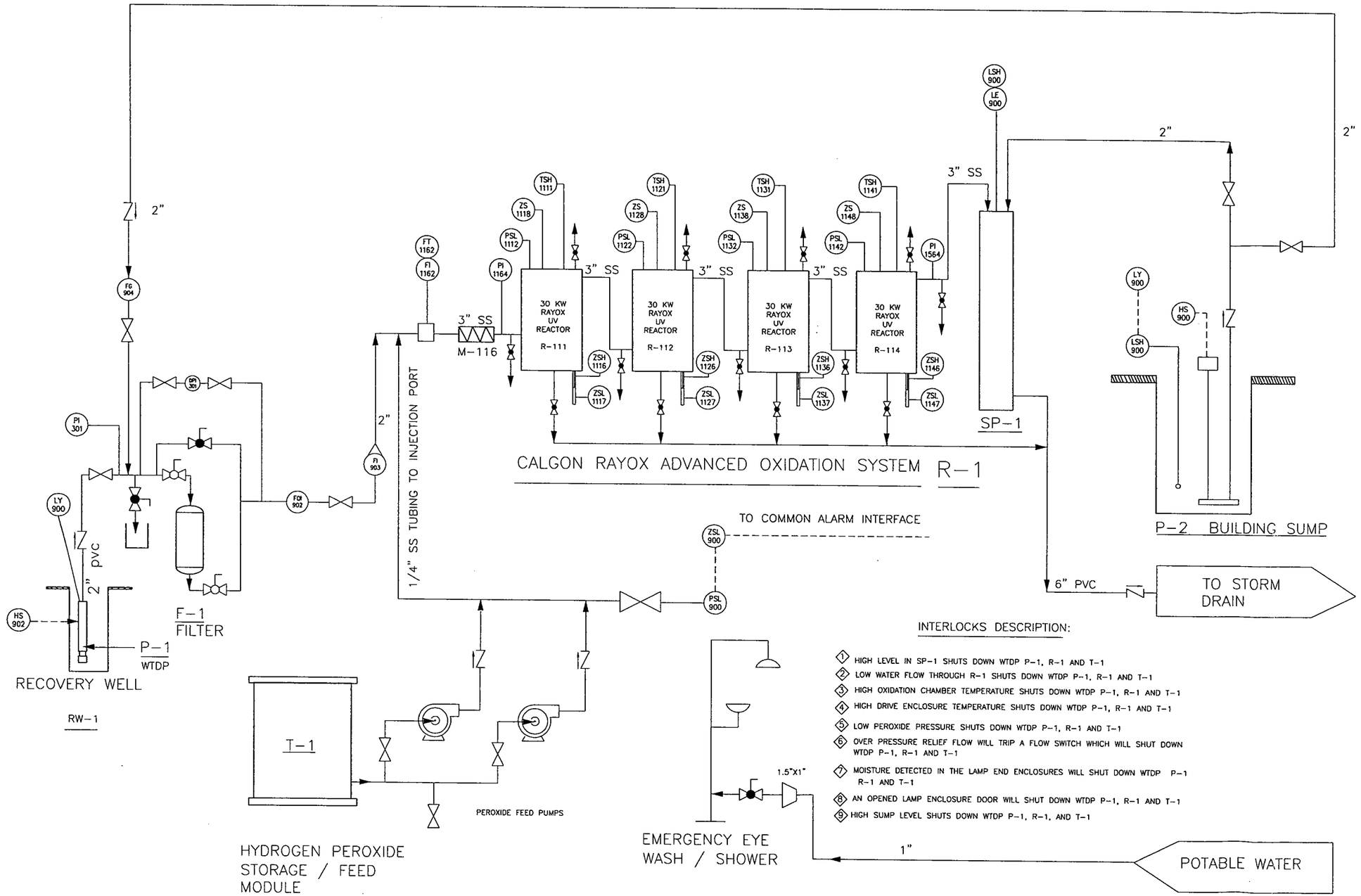
P-2: SUMP PUMP

R-1: RAYOX OXIDATION UNITS (QTY=4) EACH 30 KW

RW-1: RECOVERY WELL

SP-1: STAND PIPE

T-1: HYDROGEN PEROXIDE FEED /STORAGE TANK MODULE



INTERLOCKS DESCRIPTION:

1. HIGH LEVEL IN SP-1 SHUTS DOWN WTDP P-1, R-1 AND T-1
2. LOW WATER FLOW THROUGH R-1 SHUTS DOWN WTDP P-1, R-1 AND T-1
3. HIGH OXIDATION CHAMBER TEMPERATURE SHUTS DOWN WTDP P-1, R-1 AND T-1
4. HIGH DRIVE ENCLOSURE TEMPERATURE SHUTS DOWN WTDP P-1, R-1 AND T-1
5. LOW PEROXIDE PRESSURE SHUTS DOWN WTDP P-1, R-1 AND T-1
6. OVER PRESSURE RELIEF FLOW WILL TRIP A FLOW SWITCH WHICH WILL SHUT DOWN WTDP P-1, R-1 AND T-1
7. MOISTURE DETECTED IN THE LAMP END ENCLOSURES WILL SHUT DOWN WTDP P-1 R-1 AND T-1
8. AN OPENED LAMP ENCLOSURE DOOR WILL SHUT DOWN WTDP P-1, R-1 AND T-1
9. HIGH SUMP LEVEL SHUTS DOWN WTDP P-1, R-1, AND T-1

SOURCES:

1. ALLIED SIGNAL DRAWING 429106 DATED 9/4/90
2. CALGON DRAWINGS

REV	DATE	DESCRIPTION	DRAWN	CHECKED	APPROVED
A	7/22/05	UPDATE	IM	IM	DP

Honeywell MORRISTOWN NEW JERSEY

FORMER BESLY BENDIX
Ground Water Treatment System

PARSONS
100 FEDERAL STREET • 19TH FLOOR • BOSTON, MA 02110 • TEL: 617-946-8400 • FAX: 617-946-8777

440985-D-001 REV. A

P:\PIT\Projects\Honeywell\Greenfield, Mass\O&M\drawings

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION I
ENVIRONMENTAL SERVICES DIVISION
60 WESTVIEW STREET, LEXINGTON, MASSACHUSETTS 02173-3185

23 July 1991

Mr. Robert Ford
Allied Signal, Inc.
P.O. Box 1139R
Morristown, New Jersey 07962-1139

Re: Exclusion from NPDES Requirements
Bendix/Besly Site
180 Laurel Street
Greenfield, Massachusetts 01301

Dear Mr. Ford:

Based upon information provided by you, I grant, pursuant to 40 CFR 122.3(d), an emergency exclusion from the requirement for a permit under the National Pollution Discharge Elimination System (NPDES), in order that a recovery and treatment system may begin operation in a timely fashion, pending the issuance of permit (# MA0031496).

Subject to other controls that may be established by the State of New Hampshire, and the Town of Greenfield, you are authorized to discharge up to 75 gallons of treated water per minute from a treatment system consisting of groundwater depression leading to an ultraviolet light/peroxide chemical oxidation treatment system, prior to discharge into a storm drainage system which leads to the Green River. Operation of the treatment system must be in accordance with the following conditions:

1. No discharge of oil, sufficient to cause a sheen (as defined in 40 CFR 110), occurs to the storm drain. The discharge of a sheen of oil, constitutes an oil spill and must be reported, immediately, to the National Response Center [(800) 424-8802].

2. Security provisions are maintained to assure that system failure, vandalism, or other incident will be addressed in a timely fashion, preventing the loss of oil or contaminated water to the storm drainage system.

3. Sampling and analysis, in accordance with EPA methods, is performed for Benzene, Toluene, Ethyl Benzene, Xylenes (BTEX), Trichloroethylene, Tetrachloroethylene, 1,2-Trans-Dichloroethylene, 1,1,1-Trichloroethane, Total Petroleum Hydrocarbons. Total BTEX is not to exceed 100 ppb, while while Benzene, Trichloroethylene, and Tetrachloroethylene may not exceed 5 ppb. 1,2-Trans-Dichloroethylene may not exceed 100 ppb, and 1,1,1-Trichloroethane may not exceed 200 ppb Total Petroleum Hydrocarbons may not exceed 5 ppm. Sampling and analysis of the influent to treatment and the effluent to storm drainage system, during the first week of operations, is to be every other day. For the balance of the first month, sampling and analysis must be performed, at least, once per

week. After the first month, sampling and analysis must be performed, at least, once every two weeks, until a total of 4 months of operations (twice monthly sampling, therefore, for months 2, 3, and 4) have been completed. After the fourth month, sampling and analysis must be performed, at least, once per month. In addition, if the first four months of sampling and analysis show that BTEX compounds are not present, no further analysis for them will be required. Other pollutant parameters cited in Part V of your application are to be monitored and within the limits provided in Sections 2 and 3 of Part V.

Analytical Reports, with quality control information, are to be reported to the DEP Regional Engineer and to this office by the 28th of the following month.

4. You, or your representative, provide 24 hours notice of system start-up.

5. Upon receipt of the final permit from the DEP and EPA, you are to provide a copy of the signature page to indicate that the Permit is in hand. Upon receipt of that document this exclusion will cease, and operations in accordance with the Permit will be required.

This exclusion will be in effect until the final Permit #MA0031496 is issued.

If any questions should arise, please do not hesitate to contact me at (617) 860-4362.

Sincerely,

David W. Tordoff,
On-Scene Coordinator
Response & Prevention Section

cc: T. Landry USEPA
C. Hall DEP/DWPC
R. Green DEP/DSHW

Memorandum

Allied Signal

Allied-Signal Inc.
Morris Township, New Jersey

Date: August 27, 1991

To: R. J. Ford

Subject: BESLY PRODUCTS REMEDIATION PROJECT
Exclusion from NPDES Requirements

The following comments are in response to the items listed in the "Exclusion from NPDES Requirements" submittal from Region 1.

- The discharge of oil from the treatment system is highly unlikely since there is no oil in the process structure or in the process equipment, including pumps. In addition, any spills will be collected in the emergency sump provided and managed appropriately.
- There are presently a series of interlocks that have been designed to address system failure. The interlocks are monitored 24 hrs./day by an ADT system.
- Sampling, analysis and reporting protocol will be modified to satisfy the exclusion requirements.
- System start-up is on schedule for September 9, 1991. Verification and notification will be provided the week of September 2, 1991.

Please feel free to call me should you require any further information.

Sincerely,

M. A. Vazquez

cc: W. J. Hague
VPF 32062-16.1

Honeywell
P.O. Box 1139
Morristown, NJ 07962-1139

December 13, 2000

Richard M. Green
Section Chief
Site Management/Permits
Bureau of Waste Site Cleanup
Massachusetts Department of Environmental Protection

Subject: Former Besley/Bendix Site
180 Laurel Avenue
Greenfield, MA 01301
Permit No. 78715, Disposal Site No. 1-0000079

Dear Mr. Green:

Per our telephone conversation this date, attached please find the signed originals for a Tier I Minor Permit Modification Transmittal Form for the subject site. The modification form signed by myself and a Massachusetts Licensed Site Professional updates the permittee name to Honeywell Inc. and the primary representative to reflect my name. If you have questions or comments please contact me directly at 973-455-4640 or E-mail at Rich.Galloway@Honeywell.com.

Sincerely,

Richard W. Galloway
Manager- Remediation and Evaluation Services.

C: R. Ford
J. Drobinski – ERM
S. Greenwald – Renaissance Bld.

Massachusetts Department of Environmental Protection
Bureau of Waste Site Cleanup

BWSC-109

Release Tracking Number: [ ] - [ ]

TIER I MINOR PERMIT MODIFICATION TRANSMITTAL FORM

Pursuant to 310 CMR 40.0725 (Subpart G)

Permit Number: 7871S

Minor Permit Modification Requests are not subject to permit processing requirements under 310 CMR 40.0720 - 40.0724 or 310 CMR 4.00

A. DISPOSAL SITE LOCATION:

Site Name: FORMER BESLEY / BENDIX Site

Street: 180 LAUREL AVENUE Location Aid:

City/Town: GREENFIELD ZIP Code: 01301

Related Release Tracking Numbers That This Minor Permit Modification Request Addresses: 1-0079

B. THIS FORM IS BEING USED TO: (check all appropriate categories below)

- [ ] Submit an Alternative or Corrected Minor Permit Modification Request (also must check use(s) below). Date of Prior Submittal:
- [X] Modify a Permittee Name, Address or Contact Person (complete Sections A, B, C, I, J, K and L).
- [X] Change a Primary Representative (complete Sections A, B, D, I, J, K and L).
- [ ] Change an LSP-of-Record (complete Sections A, B, E, J, K and L).
- [ ] Correct Typographical Errors (complete Sections A, B, F, I, J, K and L).
- [ ] Correct Omissions (complete Sections A, B, G, I, J, K and L).
- [ ] Submit Other Minor Permit Modifications, including linking an additional Release Tracking Number(s) to a Permit (complete Sections A, B, H, I, J, K and L).

C. MODIFICATION TO PERMITTEE NAME, ADDRESS OR CONTACT PERSON: (complete entire section)

Permittee Organization: Honeywell INC

Permittee Contact: Richard W. Galloway Title: MANAGER- REMEDIATION & EVALUATION SERVICES

Street: 101 Columbia Road

City/Town: Morristown State: NJ ZIP Code: 07962

Telephone: 973-455- Ext.: 4640 FAX: (optional) 973-455-2928

For disposal sites with more than one Permittee, each Permittee making a modification to name, address or contact person must separately submit any proposed changes.

D. CHANGE IN PRIMARY REPRESENTATIVE: (complete entire section)

A Primary Representative is required only for Sites having more than one Permittee.

- [ ] Check here if the Primary Representative is also a Permittee.

Primary Representative Name: Richard W. Galloway Title: MANAGER - RES

Primary Representative Organization: Honeywell, INC

Street: 101 Columbia Road

City/Town: Morristown State: NJ ZIP Code: 07962

Telephone: 973- 455 - Ext.: 4640 FAX: (optional) 973-455-2928

Certification of Primary Representative:

I attest under the pains and penalties of perjury that I am fully authorized to act on behalf of all permittees holding this Tier I Permit for the purposes stated in 310 CMR 40.0703(7)(a):

to receive oral and written correspondence from DEP with respect to the application;
to receive oral and written correspondence from DEP with respect to performance of response actions upon issuance of a Tier I permit; and
to receive any statement of fee required by 310 CMR 4.03(3) upon issuance of a Tier I permit.

I understand that any material received by the Primary Representative from DEP shall be deemed received by the Permittee(s), and I am aware that there are significant penalties, including, but not limited to, possible fines and imprisonment, for willfully submitting false, inaccurate or incomplete information.

Signature: R. W. Galloway Date: December 6, 2000

The person signing this certification MUST be the Primary Representative named above.

BWSC-109

Massachusetts Department of Environmental Protection
Bureau of Waste Site Cleanup

Release Tracking Number: ☐ - ☐

TIER I MINOR PERMIT MODIFICATION TRANSMITTAL FORM

Pursuant to 310 CMR 40.0725 (Subpart G)

Permit Number: ☐

E. CHANGE IN LSP-OF-RECORD:

(the new LSP-of-Record must sign and stamp this section)

LSP Name: _____ LSP #: _____ Stamp:

Telephone: _____ Ext.: _____

FAX: (optional) _____

Signature: _____

Date: _____

F. CORRECTION OF TYPOGRAPHICAL ERRORS:

(describe typographical errors below)

_____

_____

_____

_____

_____

_____

G. CORRECTION OF OMISSIONS:

Describe any omissions to be corrected by this Minor Permit Modification request. These omissions must not affect the nature or complexity of the permitted response action. Provide relevant information, including copies of applicable documentation.

_____

_____

_____

_____

_____

_____

H. OTHER MINOR PERMIT MODIFICATIONS:

Name, address and contact person for a new Owner who is NOT a Permittee:

Name of Organization: _____

Name of Contact: _____ Title: _____

Street: _____

City/Town: _____ State: _____ ZIP Code: _____

Telephone: _____ Ext.: _____ FAX: (optional) _____

Name, address and contact person for a new Operator who is NOT a Permittee:

Name of Organization: _____

Name of Contact: _____ Title: _____

Street: _____

City/Town: _____ State: _____ ZIP Code: _____

Telephone: _____ Ext.: _____ FAX: (optional) _____

SECTION H IS CONTINUED ON THE NEXT PAGE.

Do Not Alter This Form

Revised 3/30/95

Massachusetts Department of Environmental Protection
Bureau of Waste Site Cleanup

BWSC-109

Release Tracking Number: [ ] - [ ]

TIER I MINOR PERMIT MODIFICATION TRANSMITTAL FORM

Pursuant to 310 CMR 40.0725 (Subpart G)

Permit Number: 7871

H. OTHER MINOR PERMIT MODIFICATIONS: (continued)

☐ Check here if filing an additional Release Tracking Number(s) to a Tier I Permit, where there has been NO change in conditions that requires the filing of a Major Permit Modification application (BWSC 10). List Release Tracking Number(s) below.

Describe any other Minor Permit Modifications proposed. Provide relevant information, including copies of applicable documentation.

I. LSP OPINION:

An LSP Opinion is required only if this submittal is materially inconsistent with, or would otherwise serve to compromise or diminish the content or meaning of, an LSP Opinion previously submitted to DEP.

I attest under the pains and penalties of perjury that I have personally examined and am familiar with this transmittal form, including any and all documents accompanying this submittal. In my professional opinion and judgment based upon application of (i) the standard of care in 309 CMR 4.02(1), (ii) the applicable provisions of 309 CMR 4.02(2) and (3), and (iii) the provisions of 309 CMR 4.03(3), to the best of my knowledge, information and belief, this submittal has been developed in accordance with the applicable provisions of M.G.L. c. 21E and 310 CMR 40.0000.

I am aware that significant penalties may result, including, but not limited to, possible fines and imprisonment, if I submit information which I know to be false, inaccurate or materially incomplete.

☐ Check here if the Response Action(s) on which this opinion is based, if any, are (were) subject to any order(s), permit(s) and/or approval(s) issued by DEP or EPA. If the box is checked, you MUST attach a statement identifying the applicable provisions thereof.

LSP Name: John Drobinski LSP #: 2196 Stamp:

Telephone: (617-) 267 8377 Ext: 7852

FAX: (optional)

Signature:

Date: 12/10/00

COMMONWEALTH OF MASSACHUSETTS
JOHN C. DROBINSKI No. 2196
REGISTERED LICENSED SITE PROFESSIONAL

J. PERMITTEE SUBMITTING MINOR PERMIT MODIFICATION REQUEST:

Name of Organization: Honeywell INC

Name of Contact: Richard W. Galloway Title: MANAGER - RES

Street: 101 Columbia ROAD

City/Town: Morristown State: NJ ZIP Code: 07962

Telephone: 973-455- Ext: 4640 FAX: (optional) 973-455-2928

K. RELATIONSHIP TO SITE OF PERMITTEE SUBMITTING MINOR PERMIT MODIFICATION REQUEST: (check one)

☐ RP or PRP Specify: ○ Owner ☒ Operator ○ Generator ○ Transporter Other RP or PRP:

☐ Fiduciary, Secured Lender or Municipality with Exempt Status (as defined by M.G.L. c. 21E, s. 2)

☐ Agency or Public Utility on a Right of Way (as defined by M.G.L. c. 21E, s. 5(j))

☐ Any Other Person Submitting Minor Permit Modification Request Specify Relationship:

BWSC-109

Massachusetts Department of Environmental Protection
Bureau of Waste Site Cleanup

Release Tracking Number: [ ] - [ ]

TIER I MINOR PERMIT MODIFICATION TRANSMITTAL FORM

Pursuant to 310 CMR 40.0725 (Subpart G)

Permit Number: 7S715

IF THIS MINOR PERMIT MODIFICATION AFFECTS A MULTI-PARTY PERMIT, ALL PERMITTEES MUST SIGN THE CERTIFICATION SHOWN IN SECTION L. ADDITIONAL PERMITTEES MAY MAKE A COPY OF THIS PAGE, SIGN THE CERTIFICATION AND PROVIDE A MAILING ADDRESS IN THE SPACES PROVIDED IN SECTION L.

L. CERTIFICATION OF PERMITTEE SUBMITTING MINOR PERMIT MODIFICATION:

I, RICHARD W. GALLOWAY, attest under the pains and penalties of perjury (i) that I have personally examined and am familiar with the information contained in this submittal, including any and all documents accompanying this transmittal form, (ii) that, based on my inquiry of those individuals immediately responsible for obtaining the information, the material information contained in this submittal is, to the best of my knowledge and belief, true, accurate and complete, and (iii) that I am fully authorized to make this attestation on behalf of the entity legally responsible for this submittal. I/the person or entity on whose behalf this submittal is made am/is aware that there are significant penalties, including, but not limited to, possible fines and imprisonment, for willfully submitting false, inaccurate, or incomplete information.

By: R. W. Galloway (signature) Title: MANAGER - RES

For: RICHARD W. GALLOWAY (print name of person or entity recorded in Section J) Date: December 6, 2000

Enter address of the person providing certification, if different from address recorded in Section J:

Street: _____

City/Town: _____ State: _____ ZIP Code: _____

Telephone: _____ Ext.: _____ FAX: (optional) _____

YOU MUST COMPLETE ALL RELEVANT SECTIONS OF THIS FORM OR DEP MAY RETURN THE DOCUMENT AS INCOMPLETE. UNLESS YOU ARE CONTACTED BY DEP, THIS MINOR PERMIT MODIFICATION REQUEST IS PRESUMPTIVELY APPROVED 60 DAYS AFTER RECEIPT BY DEP, PURSUANT TO 310 CMR 40.0724(4).

Besley

Massachusetts Department of Environmental Protection

Bureau of Waste Site Cleanup (BWSC)

TIER I PERMIT

This Permit is Issued to:

☑ One Permittee

☐ More than One Permittee*

*A list of all Permittees is attached.

For DEP Use Only
Effective Date:
Expiration Date:

One Permittee:

Name of Organization: Allied-Signal, Inc.
Permittee Name : Allied-Signal, Inc.
Title or c/o: Mr. Robert J. Ford, Director-Site Remediation
Street: P.O. Box 2105
City/Town: Morristown State: NJ Zip code: 07962-2105
Telephone: _____

DEP Finding Concerning Tier Classification

☐ Tier IA (BWSC01) ☑ **Tier IB (BSWC02)** ☐ Tier IC (BWSC03) **Permit No. 78715**

This permit authorizes the performance of comprehensive remedial response actions at:

Disposal Site Number: 1-0079
Disposal Site Name: Former Besley/Bendix Site
Street: Laurel Avenue
City/Town: Greenfield State: Ma Zip code: 01301

This permit shall expire **one (1) year** from its effective date.

Permit Conditions; Pursuant to 310 CMR 40.0740:

(1) The permitee(s) performing response actions pursuant to this Tier I Permit shall comply at all times with M.G.L. c. 21E, 310 CMR 40.0000, the terms and conditions of the permit and any other applicable federal, state or local law.

(2) In every proceeding, the burden shall be on the Permittee to demonstrate compliance with the terms and conditions of a permit at all times.

(3) Each Permittee shall comply with:

(a) submittal of a Class A, B or C Response Action Outcome Statement within five years of the effective date of the permit, unless otherwise provided in the permit;

(b) submittal of a copy of the signed and completed Permit Acceptance Statement required by 310 CMR 40.0750(2) to the Chief Municipal Officer(s) and the local boards of health for the communities where the disposal site is located, and to any member of the public identified in the Department's Statement of Basis.

(c) notification in writing to the Department:

1. as required in 310 CMR 40.0500;
2. upon gaining knowledge of any technical, financial or legal inability to perform any necessary response action, in accordance with 310 CMR 40.0172;
3. upon a decision by a permittee who is performing response actions as an Other Person to not proceed as required by the permit; and
4. of any change in the LSP of Record for the disposal site no later than ten days after the effective date of such change through the filing of a Minor Permit Modification by the permittee in accordance with 310 CMR 40.0725;

(d) compliance with:

1. all applicable submittal requirements, including but not limited to, scopes of work, Status Reports, Completion Statements, Phase Reports, and RAOs;
2. all requirements for record keeping and document retention, including but not limited to 310 CMR 40.0014, 310 CMR 40.0022 and 310 CMR 40.0023;
3. the Notification Regulations, 310 CMR 40.0300, in the event of discovery of new releases located at the disposal site, threat of release or Imminent Hazard;
4. the management procedures for excavated soils and wastes and requirements for remedial air emissions set forth in 310 CMR 40.0030 and 310 CMR 40.0040; and
5. all public involvement activities required by 310 CMR 40.1400 through 40.1406;

(e) inclusion of the Disposal Site Number and the permit number on documents submitted to the Department with respect to the disposal site;

(f) certification of documents submitted to the Department as required by 310 CMR 40.0009;

(g) evaluation of the need to perform Immediate Response Actions in accordance with 310 CMR 40.0400 as new or additional information about the disposal site is obtained;

(h) modification or cessation of any response action as necessary to maintain compliance with any permit condition or to prevent an actual or potential threat to health, safety, public welfare, or the environment;

(i) notification, orally or in writing, to the Department within seventy-two hours of obtaining knowledge of the need to modify or cease any response actions for the reasons in

310 CMR 40.0740(3)(h); provided that any such oral notification shall be confirmed by the permittee in writing within sixty days of such oral notice and any written notice shall include a Status Report prepared by an LSP; and timely remediation of any adverse impacts to health, safety, public welfare or the environment that result from the performance of response actions;

(j) at disposal sites where groundwater investigation is necessary, delineation of the vertical and horizontal extent of contamination, identification and confirmation of groundwater flow directions, identification of groundwater migration pathways, including but not limited to, the identification of possible partitioning of dissolved volatile organic compounds at the water table interface which may lead to vapor transport into subsurface structures, homes or other occupied or unoccupied buildings, and monitoring of groundwater wells, discharges and/or other monitoring points in a manner which provides for the timely development or representative information about conditions and changes in conditions at the disposal site;

(k) acquisition of all required federal, state and local permits;

(l) proper operation and maintenance of all treatment, storage, abatement or control systems and of all equipment required to continue or complete response actions;

(m) authorization for personnel and authorized agents of the Department to enter, at reasonable times and upon the presentation of credentials, any premises owned or controlled by the permittee for the purpose of investigating, sampling, or inspecting any records, conditions, equipment, practice or property relating to response actions at the disposal site, or protecting health, safety, public welfare, or the environment; and

(n) notification upon a change of the Primary representative as required by 310 CMR 40.0703(7), if one is designated.

(4) A Tier I Permit does not grant any property rights or exclusive privileges, nor does it authorize any injury to private property or invasion of property rights.

Special Conditions; Pursuant to 310 CMR 40.0740(3)(o):

Each permittee shall comply with all **Special Conditions** if attached to this permit in **Attachment A**. Special Conditions are included within this permit:

☑ Yes* ☐ No

**Note: Pursuant to 310 CMR 40.0722(6)(c), a "Statement of Basis" for this permit decision has been prepared by DEP if special conditions are included with this Permit.*

DEP Authorization

Issued by the Department of Environmental Protection:

Name (Print): Alan Weinberg Date of Issuance: _____

Signature: _____

Notice of Appeal Rights

Any person aggrieved by a decision of the Department with respect to any Tier I permit application may request an adjudicatory hearing before the Department in accordance with M.G.L. c. 21E and 310 CMR 40.0050 and 40.0770, within 21 days of the date of issusnce of the Tier I permit, if:

a) the Department issues a permit for a classification higher than that stated in the LSP Tier Classification Opinion; or

b) the Department denies the applicant a permit, unless the Department notifies the applicant in the permit decision that the Department intends to undertake or arrange for the performance of necessary response actions at the disposal site; or

c) The Department imposes conditions pursuant to 310 CMR 40.0730(1)(h) and 40.0740(3)(o) without the applicant's consent.

Permit Acceptance Statement and Certification of Submittal

Note: Each Permittee must complete this section and return the signed Permit Acceptance Statement and Certification of Submittal within 30 days of the date of issuance of this Permit decision. For disposal sites with more than one Permittee, make copies of this section, have each Permittee complete this information, and submit all copies to the Department along with the Acceptance Statement.

Permit Acceptance Statement

I accept this permit and agree to conduct all response actions at this disposal site in accordance with this Permit and the provisions of 310 CMR 40.0000. I am aware of the requirements set forth in 310 CMR 40.0172 for notifying the Department in the event that I am unable to proceed with such response actions[1].

Name (Print): ROBERT J. FORD
Position or title: DIRECTOR REMEDIATION & EVALUATION SERVICES
Signature: Robert J. Ford
Date: 3/31/99

Certification of Submittal (The above permittee must also sign the following certification)

I, ROBERT J. FORD, attest under the pains and penalties of perjury (i) that I have personally examined and am familiar with the information contained in this submittal, including any and all documents accompanying this submittal, (ii) that, based on my inquiry of those individuals immediately responsible for obtaining the information, the material information contained in this submittal is, to the best of my knowledge and belief, true, accurate and complete, and (iii) that I am fully authorized to make this attestation on behalf of the person or entity legally responsible for this submittal[1]. I/the person or entity on whose behalf this submittal is made am/is aware that there are significant penalties, including, but not limited to , possible fines and imprisonment, for willfully submitting false, inaccurate or incomplete information.

Name (Print): ROBERT J. FORD
Position or title: DIRECTOR, REMEDIATION & EVALUATION SERVICES
Signature: Robert J. Ford
Date: 3/31/99

(1) Please Note:

If any person other than those who are legally responsible for this submittal are going to sign the above Acceptance Statement and the Certification of Submittal, a written authorization, from each person(s) or entity(ies) who is/are legally responsible for this submittal, must be attached to this permit.

Hydrogen Peroxide 20-60%

Hydrogen Peroxide 20-60%

Material Safety Data Sheet

Chemical: Hydrogen Peroxide 20-60%

NFPA: H=3 F=0 I=1 S=OX
HMIS: H=3 F=0 R=1 PPE= Supplied by user; dependent on conditions

MSDS Number: H2O2-2060-0105
Effective Date: 20 January 2005
Issued by: Solvay Chemicals, Inc. Regulatory Affairs Department

Not valid three years after effective date or after issuance of superseding MSDS, whichever is earlier. French or Spanish translations of this MSDS may be available. Check www.solvaychemicals.us or call Solvay Chemicals, Inc. to verify the latest version or translation availability.

Material Safety Data Sheets contain country specific regulatory information; therefore, the MSDS's provided are for use only by customers of Solvay Chemicals, Inc. in North America. If you are located in a country other than the UnitedStates, please contact the Solvay Group company in your country for MSDS information applicable to your location.

1. Company and Product Identification

1.1 Product Name: Hydrogen Peroxide 20-60%
Chemical Name: Hydrogen Peroxide, Aqueous Solution
Synonyms: Hydrogen dioxide, hydroperoxide, peroxide
Chemical Formula: H_2O_2
Molecular Weight: 34
CAS Number: 7722-84-1
EINECS Number: 231-765-0

Grades/Trade Names:
27.5% - Technical
31% - Electronic , Electronic Low Carbon, UltraPure, UltraHigh Purity, UltraPure Plus, Pico-Pure™
35% - Technical, Technical 35/D, Cosmetic, Food, PFP™, Chemical, High Purity Food
40% - Technical
50% - Technical, Technical 50/D, Dilution, Cosmetic, Electronic, Food, PFP™, UltraPure, Chemical, Chemical LP, SVP-HP®[1]

[1] SVP-HP® is a trademark of EKA Chemicals

1.2 Recommended Uses: Used in bleaching textiles, food, hair, paper and other materials; component of rocket propellant; used in the manufacture of a wide range of chemicals, plastics, pharmaceuticals; used in photography, electroplating, water treatment and wastewater treatment.

1.3 Supplier: Solvay Chemicals, Inc.
PO BOX 27328 Houston, TX 77227-7328
3333 Richmond Ave. Houston, Texas 77098

Solvay Chemicals

Interox, Fluorides & Minerals

SOLVAY

Hydrogen Peroxide 20-60%

Material Safety Data Sheet

1.4 Emergency Telephone Numbers

General: 1-877-765-8292 (Solvay Chemicals, Inc.,)
Emergencies (USA): 1-307-872-6688 (Solvay Chemicals, Green River, WY)
1-281-479-2826 (Solvay Chemicals, Deer Park, TX)
Transportation Emergencies (USA): 1-800-424-9300 (CHEMTREC®)
Transportation Emergencies (INTERNATIONAL/MARITIME): 1-703-527-3887 (CHEMTREC®)
Transportation Emergencies (CANADA): 1-613-996-6666 (CANUTEC)
Transportation Emergencies (MEXICO-SETIQ): 91-800-00-214-00 (MEX. REPUBLIC)
-0-11-525-559-1588 (elsewhere)

2. Composition/Information on Ingredients

INGREDIENTS	FORMULA	MOLECULAR WT.	WT. PERCENT	CAS #	EINECS #
Hydrogen Peroxide	H_2O_2	34	20-60	7722-84-1	231-765-0
Water	H_2O	18	balance	7732-18-5	

3. Hazards Identification

Emergency Overview:

- Toxicity effects principally related to its corrosive properties.
- Non-combustible, but may contribute to the combustion of other substances and causes violent and sometimes explosive reactions.
- May be fatal if swallowed.

3.1 Route of Entry: Inhalation: Yes Skin: Yes Ingestion: Yes

3.2 Potential Effects of exposure:

- Corrosive to mucous membranes, eyes and skin.
- The seriousness of the lesions and the prognosis of intoxication depend directly on the concentration and duration of exposure.

Inhalation:

- Nose and throat irritation.
- Cough.
- In case of repeated or prolonged exposure; risk of sore throat, nose bleeds, chronic bronchitis.

Eyes:

- Severe eye irritation, watering, redness and swelling of the eyelids.
- Risk of serious or permanent eye lesions.

Skin contact:

- Irritation and temporary whitening at contact area.
- Risk of burns.

Ingestion:
- Paleness and cyanosis of the face.
- Severe irritation, risk of burns and perforation of the gastrointestinal tract accompanied by shock.
- Excessive fluid in the mouth and nose, with risk of suffocation.
- Risk of throat, edema (fluid in lungs) and suffocation.
- Nausea, vomiting (bloody).
- Cough.
- Risk of chemical pneumonitis from product inhalation.

Carcinogenicity: See section 11.3

4 First-Aid Measures

General Recommendations:
- In case of product splashing into the eyes and face, treat eyes first.
- Do not dry soiled clothing near an open flame or incandescent heat source.
- Submerge soiled clothing in water prior to drying.

4.1 Inhalation:
- Remove the subject from the contaminated area.
- Consult with a physician in case of respiratory symptoms.

Eyes:
- Flush eyes as soon as possible with running water for 15 minutes, while keeping the eyelids open.
- In the case of difficulty of opening the lids, administer an analgesic eye wash (oxybuprocaine).
- Consult with an ophthalmologist in all cases.

Skin:
- Remove contaminated shoes, socks and clothing, under a shower if necessary; wash the affected skin with running water.
- Keep warm (blanket), provide clean clothing.
- Consult with a physician in all cases.

Ingestion:
- Consult with a physician immediately in all cases.
- Take to a hospital.

If the subject is completely conscious:
- Rinse mouth with fresh water.
- Do not give anything to drink.
- Do not induce vomiting.

If the subject is unconscious:
- NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSIOUS PERSON.
- Loosen collar and tight clothing, lay the victim on his/her left side.
- Oxygen or pulmonary resuscitation if necessary.
- Keep warm (blanket).

Hydrogen Peroxide 20-60%
Material Safety Data Sheet

4.2 Medical Treatment/Notes to Physician:
Inhalation: Negligible

Eyes: On the advice of the ophthalmologist.

Skin: Usual treatment for burns.

Ingestion:
- Oxygen therapy via intra-tracheal intubation.
- If necessary, tracheotomy.
- Placement of gastric catheter to release stomach gases.
- Avoid gastric lavage risk of perforation.
- In case of intense pain: inject an I.M. morphomimetic drug (piritramide) before taking to hospital.
- Prevention or treatment for shock and pulmonary edema.
- Urgent digestive endoscopy with aspiration of the product.
- Treatment of gastrointestinal tract burns and resulting effects.

5 Fire Fighting Measures

5.1 Flash point: Non-flammable.

5.2 Auto-ignition Temperature: Non-flammable.

5.3 Flammability Limits: Non-flammable.

5.4 Unusual Fire and Explosion Hazards:
- Oxidizer
- With flammable liquids
- With certain materials (see section 10).
- In case of heating.

5.5 Extinguishing Methods
Common:
- Large quantities of water, water spray.
- No restriction

Inappropriate extinguishing means: No restriction.

5.6 Fire Fighting Procedures
Specific hazards:
- Oxygen released on exothermic decomposition may support combustion in case of surrounding fire.
- Oxidizing agent, may cause spontaneous ignition with combustible materials.
- Contact with flammables may cause fire or explosions.
- Pressure burst may occur due to decomposition in confined spaces/containers.

Protective measures in case of intervention:
- Evacuate all non-essential personnel.
- Intervention should only be made by personnel who are trained and aware of the hazards of product.

- Wear self contained breathing apparatus when in close proximity or in confined spaces.
- When intervention in close proximity, wear full protective acid resistant suit.
- After intervention, proceed to clean the equipment. Take a shower, remove clothing carefully, clean and check.

Other precautions:

- If safe to do so, remove the exposed containers, or cool with large quantities of water.
- Stay upwind.
- Keep at a safe distance in a protected location.
- Never approach containers which have been exposed to fire, without cooling them sufficiently.

6. Accidental Release Measures

6.1 Precautions:

- Observe protective measures given in section 5 and 8.
- Isolate area.
- Approach from upwind.
- Avoid materials and products which are incompatible with the product (see section 10).
- If safe to do so, without exposing personnel, try to stop the spillage.
- In case of contact with combustible materials, avoid product drying out by dilution with water.

6.2 Cleanup methods:

- If possible dam large quantities of liquid with sand or earth.
- Dilute with large quantities of water.
- Do not add chemical products.
- For disposal methods, refer to section 13.
- In order to avoid the risk of contamination, the recovered product must not be returned to the original tank/container.

6.3 Precautions for protection of the environment:

- Immediately notify the appropriate authorities in case of reportable spill.
- The National Transportation Safety Board (NTSB) and Federal Aviation Administration (FAA) have requested the following information be provided:

  Combustible materials exposed to hydrogen peroxide should be immediately submerged in or rinsed with large amounts of water to ensure that all hydrogen peroxide is removed.

  Residual hydrogen peroxide that is allowed to dry (upon evaporation hydrogen peroxide can concentrate) on organic materials such as paper, fabrics, cotton, leather, wood or other combustibles can cause the material to ignite and result in a fire.

Hydrogen Peroxide 20-60%

Material Safety Data Sheet

7. Handling and Storage

7.1 Handling:

- Operate in a well-ventilated area.
- Keep away from heat sources.
- Keep away from incompatible products.
- Prevent all contact with organics.
- Use equipment and containers which are compatible with the substance.
- Before all operations, passivate the piping circuits and vessels.
- Never return unused product to storage container.
- Ensure an adequate supply of water is available in the event of an accident.
- Containers and equipment used to handle hydrogen peroxide should be used exclusively for hydrogen peroxide.

7.2 Storage:

- Store in a ventilated, cool area.
- Store away from heat sources.
- Keep away from incompatible products (see section 10).
- Keep away from combustible substances.
- Keep in container fitted with safety valve or vent.
- Keep in original packaging, closed.
- Provide containment diking for storage of the packages and transfer installation.
- Regularly check the condition and temperature of the containers.
- For bulk storage recommendations, consult Solvay Chemicals, Inc.

7.3 Specific Uses: See Section 1.2

7.4 Other precautions:

- Warn personnel of the dangers of the product.
- Follow the protective measures given in section 8.
- Do not confine the product in the circuit, between closed valves, or in a container without a vent.

7.5 Packaging: Consult Solvay Chemicals for the proper packaging material for specific grades of hydrogen peroxide.

- Aluminum 99.5 %
- Stainless steel 304 L and 316 L.

8. Exposure Controls/Personal Protection

8.1 Exposure Limit Values - Hydrogen peroxide:

Authorized limit Values	TLV® ACGIH®-USA (2002)	OSHA PEL	NIOSH REL (1994)
Hydrogen peroxide	1 ppm TWA	1 ppm TWA	1 ppm TWA
	1.4 mg/m³ TWA	1.4 mg/m³ TWA	1.4 mg/m³ TWA

ACGIH® and TLV® are registered trademarks of the American Conference of Governmental Industrial Hygienists.

Hydrogen Peroxide 20-60%

Material Safety Data Sheet

8.2 Exposure Controls:

8.2.1 Occupational Exposure Controls:

8.2.1.1 Ventilation:

- Provide local ventilation.
- Follow the protective measures given in section 7.
- Provide ventilation in work areas to keep exposure below applicable limits. See Section 8.1

8.2.1.2 Respiratory protection: NIOSH approved full-face supplied air respirator for excessive concentrations.

8.2.1.3 Hand protection: Chemical resistant protective gloves made of PVC or rubber.

8.2.1.4 Eye protection: Wear protective goggles for all industrial operations. If a risk of splashing exists, wear goggles and face shield.

8.2.1.5 Skin protection: Consult your industrial hygienist or safety manager for the selection of personal protective equipment suitable for the working conditions.

8.3 Other precautions:

- An eyewash and safety shower should be nearby and ready for use.
- Use good hygiene practices when handling this product including changing work clothes after use.
- Do not eat, drink or smoke in areas where this material is handled.

8.4 Other information: The National Transportation Safety Board (NTSB) and Federal Aviation Administration (FAA) have requested the following information be provided:

Completely submerge hydrogen peroxide contaminated clothing or other materials in water prior to drying. Residual hydrogen peroxide, if allowed to dry on materials such as paper, fabrics, cotton, leather, wood or other combustibles can cause the material to ignite and result in a fire.

9. Physical and Chemical Properties

9.1 Appearance: Colorless liquid

Odor: Slightly pungent

9.2 Important Health, Safety and Environmental Information:

pH: 1-4

Change of state:

Melting point: -33°C (-27°F) for 35% hydrogen peroxide
-52°C (-62°F) for 50% hydrogen peroxide

Boiling point: 108°C (226°F) @ 1.013 bar (760 mmHg) for 35% hydrogen peroxide
115°C (239°F) @ 1.013 bar (760 mmHg) for 50% hydrogen peroxide

Decompositon Temperature:
≥ 60°C (140°F) Self-accelerated decomposition temperature (SADT) with oxygen release

Flash Point: Non-Flammable

Hydrogen Peroxide 20-60%

Material Safety Data Sheet

Flammability: (solid, gas) Non-Flammable

Explosive Properties: See Section 4

Oxidizing Properties: Oxidizer, See Section 4

Vapor Pressure:

Total Pressure (H_2O_2 + H_2O): 12 mbar (9.0 mmHg) @ 20°C (68°F) for 50% hydrogen peroxide
72 mbar (54 mmHg) @ 50°C (122°F) for 50% hydrogen peroxide

Partial (H_2O_2): 1 mbar (0.75 mmHg) @ 30°C (86°F) for 50% hydrogen peroxide

Relative Density:

Specific gravity (H_2O=1): 1.1 @ 20°C (68°F) for 27.5% hydrogen peroxide
1.2 @ 20°C (68°F) for 50% hydrogen peroxide

Solubility:

Water: Complete in water.
Fat: Not Applicable.

Partition coefficient: P (n-octanol/water): Not applicable

Viscosity: 1.07 mPa. s @ 20°C (68°F) for 27.5% hydrogen peroxide
1.17 mPa. s @ 20°C (68°F) for 50% hydrogen peroxide

Vapor Density (air=1): 1.0 for 50% hydrogen peroxide

Evaporation Rate: No data.

9.3 Other Information:

Surface Tension: 74 mN/m @ 20°C (68°F) for 27.5% hydrogen peroxide
75.6 mN/m @ 20°C (68°F) for 50% hydrogen peroxide

10 Stability and Reactivity

Stability: Stable under normal conditions of use with slow gas release.

10.1 Conditions to avoid:

- Heat/Sources of heat
- Contamination

10.2 Materials and substances to avoid:

- Acids
- Bases
- Metals
- Salts of metals
- Reducing agents
- Organic materials
- Flammable substances

10.3 Hazardous decomposition products: Oxygen; Decomposition releases steam and heat.

10.4 Hazardous Polymerization: Will not occur.

10.5 Other Information: None.

Hydrogen Peroxide 20-60%

Material Safety Data Sheet

11. Toxicological Information

11.1 Acute toxicity:

Inhalation:

- Inhalation, LC_{50}, 4 hours, rat, 2000 mg/m³
- Inhalation, LC_0, 1 hour, mouse, 2170 mg/m³

Oral:

- Oral route, LD_{50}, rat, 1232 mg/kg for 35% hydrogen peroxide
- Oral route, LD_{50}, rat, 841 mg/kg for 60% hydrogen peroxide

Dermal: Dermal route, LD_{50}, rabbit, > 2000 mg/kg for 35% hydrogen peroxide

Irritation:

- Rabbit, Serious damage (eyes) for 70% hydrogen peroxide
- Rabbit, Irritant (skin) for < 50% hydrogen peroxide
- Rabbit, Corrosive (skin) 1 hour, for 50% hydrogen peroxide
- Mouse, Respiratory irritation (RD_{50}), 665 mg/m³

Sensitization: Guinea Pig, Nonsensitizing (skin).

Comments:

- Toxic effect linked with corrosive properties.
- The carcinogenic effect found in animals is not demonstrated in humans

11.2 Chronic toxicity:

- In vitro, without metabolic activation, mutagenic effect.
- In vivo, no mutagenic effect.
- Oral route, after prolonged exposure, mouse.
- Target organ: duodenum, carcinogenic effect.
- Dermal route, after prolonged exposure, mouse, no carcinogenic effect.
- Oral route, after prolonged exposure, rat, no carcinogenic effect.
- Oral route, after prolonged exposure, rat/mouse.
- Target organ: gastro-intestinal system, observed effect.
- Inhalation, after repeated exposure, dog, 7 ppm, irritating effect.

11.3 Carcinogenic Designation:

- IARC (International Agency for Research on Cancer): 3 - Not Classifiable as to Carcinogenicity to Humans.
- TLV A3 - Animal carcinogen: Agent is carcinogenic in experimental animals at relatively high dose, by route(s) of administration, at site(s), of histologic types(s), or by mechanism(s) not considered relevant to worker exposure. Available epidemiologic studies do not confirm an increased risk of cancer in exposed humans. Available evidence suggests that the agent is not likely to cause cancer in humans except under uncommon or unlikely routes or levels of exposure.

Hydrogen Peroxide 20-60%
Material Safety Data Sheet

12. Ecological Information

12.1 Acute ecotoxicity:
- Fish, Pimephales promelas; LC_{50} , 96 hours, 16.4 mg/L; NOEC, 96 hours, 5 mg/L
- Crustaceans, Daphnia pulex; EC_{50}, 48 hours, 2.4 mg/L; NOEC, 48 hours, 1 mg/L
- Algae, various species; EC_{50}, 72 to 96 hours, 3.7 to 160 mg/L in fresh water
- Algae, Nitzchia closterium; EC_{50}, 72 to 96 hours, 0.85 mg/L in salt water

12.2 Chronic ecotoxicity: No data.

12.3 Mobility:
- Air, Henry's law constant (H) = 1 mPa.m³/mol @ 20°C (68°F) Result: non-significant volatility.
- Air, condensation on contact with water droplets. Result: rain washout.
- Water - Non-significant evaporation.
- Soil/sediments - Non-significant evaporation and adsorption

12.4 Degradation

Abiotic:
- Air, Indirect photo-oxidation, $t_{½}$ 10 to 20 hours. Conditions: sensitizer: OH radical.
- Water, redox reaction, $t_{½}$ 2.5 days, 10,000 ppm. Conditions: mineral and enzymatic catalysis/fresh water.
- Water, redox reaction, $t_{½}$ 20 days, 100 ppm. Conditions: mineral and enzymatic catalysis/fresh water.
- Water, redox reaction, $t_{½}$ 60 hours. Conditions: mineral and enzymatic catalysis/salt water.
- Soil, redox reaction, $t_{½}$ 16 hour(s). Conditions: mineral catalysis.

Biotic:
- Aerobic, $t_{½}$ < 1 minutes in biological treatment sludge. Result: rapid and considerable biodegradation.
- Aerobic, $t_{½}$ between 0.3 to 2 days in fresh water. Result: rapid and considerable biodegradation.
- Effects on biological treatment plants, > 200 mg/l. Result: inhibitory action.

12.5 Potential for bioaccumulation: Result: non-bioaccumulable (enzymatic metabolism).

12.6 Other adverse effects /Comments:
- Toxic for aquatic organisms.Nevertheless, hazard for the environment is limited due to product properties:
  - No bioaccumulation.
  - Considerable abiotic and biotic degradability.
  - No toxicity of degradation products (H_2O and O_2).

13. Disposal Considerations

13.1 Waste treatment: Consult current federal, state and local regulations regarding the proper disposal of this material.

13.2 Packaging treatment: Consult current federal, state and local regulations regarding the proper disposal of emptied containers.

13.3 RCRA Hazardous Waste: Listed as D001 (Ignitable), D002 (Corrosive)

Hydrogen Peroxide 20-60%

Material Safety Data Sheet

14. Transport Information

Mode	DOT	IMDG	IATA
UN Number	UN 2014	UN 2014	UN 2014
Class (Subsidiary)	5.1(8)	5.1(8)	5.1(8)
Proper Shipping Name	Hydrogen Peroxide, aqueous solution	Hydrogen Peroxide, aqueous solution	Hydrogen Peroxide, aqueous solution
Hazard label (Subsidiary)	Oxidizer (Corrosive)	Oxidizing Agent + Corrosive	Oxidizer + Corrosive
Marine Pollutant	No	No	No
Placard (Subsidiary)	Oxidizer (5.1) [Corrosive (8)]	2014	
Packing Group	II	II	II
Reportable Quantity	100 lbs.		
MFAG			
Emergency Info	ERG 140	EmS 5.1-02	ERG Code 5C
Other			Forbidden over 40%

15. Regulatory Information

National Regulations (US)

TSCA Inventory 8(b): Yes

SARA Title III Sec. 302/303 Extremely Hazardous Substances (40 CFR355): Yes,> 52 % H_2O_2

- Reportable quantity - 1,000 lbs.
- Threshold planning quantity - 1,000 lbs.

SARA Title III Sec. 311/312 (40 CFR 370:

Hazard Category Yes, > 52 % H_2O_2
- Immediate (acute) Health hazard, Fire Hazard
- Threshold planning quantity - 500 lbs

Yes,< 52 % H_2O_2
- Threshold planning quantity - 10,000 lbs

SARA Title III Sec. 313 Toxic Chemical Emissions Reporting (40 CFR 372): No

CERCLA Hazardous Substance (40CFR Part 302)

Listed: No
Unlisted Substance: Yes, Reportable Quantity 100 lbs
Characteristic: Ignitability (D001), Corrosivity (D002)

Other: Occupational Safety and Health Administration (OSHA) requirements for **process safety management** must be followed anytime at least 7,500 lbs. of hydrogen peroxide at concentrations of at least 52% are used or stored. Refer to **29 CFR 1910.119** for specific details.

State Component Listing:
State Comment: No Data.

National Regulations (Canada) Canadian DSL Registration: Non Confidential #6754

WHMIS Classification: C Oxidizing material
E Corrosive
F Dangerously reactive material

This product has been classified in accordance with the hazard criteria of the ***Controlled Products Regulations*** and the MSDS contains all the information required by the ***Controlled Products Regulations.***

MSDS No. H2O2-2060-0105 Revised 1-20-05

www.solvaychemicals.us 1.800.765.8292

Hydrogen Peroxide 20-60%

Material Safety Data Sheet

Labeling according to Directive 1999/45/EC.

Symbols	C	Corrosive
Phrases R	34	Causes burns
Phrases S	1/2	Keep Locked and out of reach of children.
	3	Keep in a cool place.
	28.1	After contact with skin, wash immediately with plenty of water.
	36/39	Wear suitable protective clothing and eye/face protection.
	45	IN case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

16. Other Information

16.1 Ratings:

NFPA (NATIONAL FIRE PROTECTION ASSOCIATION)

Health = 3 Flammability = 0 Instability = 1 Special = OX

HMIS (HAZARDOUS MATERIAL INFORMATION SYSTEM)

Health = 3 Fire = 0 Reactivity = 1 PPE = Supplied by User; dependent on local conditions

16.2 NSF: Material(s) listed for use under NSF/ANSI Standard 60 - Drinking Water Treatment Chemicals - Health Effects have a maximum use in potable water as follows:

Material	Product Function	Maximum Use
Hydrogen Peroxide (31%)[1]	Dechlorination	3.4mg/L
	Disinfection & Oxidation	3.4mg/L
Hydrogen Peroxide (35%)[2]	Dechlorination	3mg/L
	Disinfection & Oxidation	3mg/L
Hydrogen Peroxide (40%)[3]	Dechlorination	2.6mg/L
	Disinfection & Oxidation	2.6mg/L
Hydrogen Peroxide (50%)[4]	Dechlorination	2.1mg/L
	Disinfection & Oxidation	2.1mg/L
Hydrogen Peroxide (60%)[5]	Dechlorination	1.75mg/L
Disinfection & Oxidation		1.75mg/L

[1] This product may be used for sulfide control and in conjunction with ozone for organic control at a concentration use level of 97 mg/L when followed by chlorination of the treated water.

[2] This product may be used for sulfide control and in conjunction with ozone for organic control at a concentration use level of 85 mg/L when followed by chlorination of the treated water.

[3] This product may be used for sulfide control and in conjunction with ozone for organic control at a concentration use level of 75 mg/L when followed by chlorination of the treated water.

[4] This product may be used for sulfide control and in conjunction with ozone for organic control at a concentration use level of 60 mg/L when followed by chlorination of the treated water.

[5] This product may be used for sulfide control and in conjunction with ozone for organic control at a concentration use level of 50 mg/L when followed by chlorination of the treated water.

Use of this product shall be followed by chlorination to remove levels of hydrogen peroxide. Chlorine residuals shall not exceed 4 mg/L, the EPA's proposed maximum residual level.

Hydrogen Peroxide 20-60%
Material Safety Data Sheet

16.3 Other Information:
The previous information is based upon our current knowledge and experience of our product and is not exhaustive. It applies to the product as defined by the specifications. In case of combinations of mixtures, one must confirm that no new hazards are likely to exist. In any case, the user is not exempt from observing all legal, administrative and regulatory procedures relating to the product, personal hygiene, and integrity of the work environment. (Unless noted to the contrary, the technical information applies only to pure product).

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16.3 Reason for revision:
Supersedes edition: Solvay Chemicals MSDS H2O2-2060-0903 dated 1 September 2003.
Purpose of revision: Add section 16.2 NSF use information.

SEVERN TRENT STL®

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Westfield, MA 01085

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www.stl-inc.com

Richard Galloway
Honeywell International
101 Columbia Road (MEY-4)
Morristown, NJ 07962

10/18/2005

Report Number: 229910

Dear Richard Galloway,

The analysis of your sample(s) submitted on 09/30/2005 is now complete and the appropriate analytical report is enclosed. The samples were prepared and analyzed according to established methodologies and protocols. All holding times were met for the methods performed on these samples, unless otherwise noted in the report's case narrative.

If you have any questions regarding this report, please contact your Project Manager, Rebecca C. Mason.

For questions, concerns or comments regarding our service, please do not hesitate to contact me directly. Thank you for selecting STL Westfield, and we look forward to working with you on future projects.

Steven C. Hartmann
Laboratory Director
STL WESTFIELD

Technical Review: Steven Hartmann 10.19.05

Total number of pages in this report: 54

SAMPLE INFORMATION
Date: 10/18/2005

Job Number.: 229910
Customer...: Honeywell International
Attn.....: Richard Galloway

Project Number.....: 20001517
Customer Project ID....: SAMPLING FOR BESLEY
Project Description....: Sampling for Besley

Laboratory Sample ID	Customer Sample ID	Sample Matrix	Date Sampled	Time Sampled	Date Received	Time Received
229910-1	B093005 - Influent	Water	09/30/2005	10:10	09/30/2005	16:39
229910-2	B093005 - Effluent	Water	09/30/2005	11:00	09/30/2005	16:39
229910-3	B093005-Trip Blank	Lab Water	09/29/2005	09:00	09/30/2005	16:39

SEVERN TRENT STL

MADEP MA014
RIDOH57
CTDPH 0494
VT DECWSD
NH DES 253903-A

NELAP FL E87912 TOX
NELAP NJ MA008 TOX
NELAP NY 10843
NY DOH 10843

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STL Billerica-Service Center
148 Rangeway Rd.
N. Billerica, MA 01862
Tel: (978) 667-1400
Fax: (978) 667-7871

LABORATORY TEST RESULTS

Job Number: 229910 Date: 10/18/2005

CUSTOMER: Honeywell International PROJECT: SAMPLING FOR BESLEY ATTN: Richard Galloway

Customer Sample ID: B093005 - Influent
Date Sampled.....: 09/30/2005
Time Sampled.....: 10:10
Sample Matrix.....: Water

Laboratory Sample ID: 229910-1
Date Received.....: 09/30/2005
Time Received.....: 16:39

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	REPORTING LIMIT	UNITS	DATE	TECH
SM18 4500CLF	Chlorine, Tot. Residual	6.4		0.050	mg/L	10/04/05	grb
EPA 160.2	Solids, Total Suspended (TSS)	ND	U	5.0	mg/L	10/04/05	rac
SW846 7196A	Hexavalent Chromium	ND	U	0.0050	mg/L	09/30/05	kmm
SW846 9014(MCP	Cyanide, Total	ND	U	0.010	mg/L	10/06/05	kmm
SW846 7470A	Mercury (CVAA) Liquid Waste						
	Mercury (Hg)	ND	U	0.20	ug/L	10/07/05	bpg
SW846 6010B	Metals Analysis (ICP)						
	Iron (Fe)	64		50	ug/L	10/17/05	bpg
SW846 6010B	Metals Analysis (ICP)						
	Antimony (Sb)	ND	U	6.0	ug/L	10/13/05	bpg
	Arsenic (As)	ND	U	5.0	ug/L	10/13/05	bpg
	Cadmium (Cd)	ND	U	1.0	ug/L	10/13/05	bpg
	Chromium (Cr)	ND	U	5.0	ug/L	10/13/05	bpg
	Copper (Cu)	ND	U	5.0	ug/L	10/13/05	bpg
	Lead (Pb)	ND	U	5.0	ug/L	10/13/05	bpg
	Nickel (Ni)	ND	U	10	ug/L	10/13/05	bpg
	Selenium (Se)	ND	U	10	ug/L	10/13/05	bpg
	Silver (Ag)	ND	U	5.0	ug/L	10/13/05	bpg
	Zinc (Zn)	ND	U	10	ug/L	10/13/05	bpg
SW846 8011	GC-Microextraction						
	Microextraction	Complete			Text	10/04/05	pjs
SW846 8270C	Semivolatile Organics						
	Phenol	ND	U	10	ug/L	10/07/05	baf
	Pentachlorophenol	ND	U	50	ug/L	10/07/05	baf
	Naphthalene	ND	U	5.0	ug/L	10/07/05	baf
	Acenaphthylene	ND	U	5.0	ug/L	10/07/05	baf
	Acenaphthene	ND	U	5.0	ug/L	10/07/05	baf
	Fluorene	ND	U	5.0	ug/L	10/07/05	baf
	Phenanthrene	ND	U	5.0	ug/L	10/07/05	baf
	Anthracene	ND	U	5.0	ug/L	10/07/05	baf
	Fluoranthene	ND	U	5.0	ug/L	10/07/05	baf
	Pyrene	ND	U	5.0	ug/L	10/07/05	baf
	Benzo(a)anthracene	ND	U	5.0	ug/L	10/07/05	baf
	Chrysene	ND	U	5.0	ug/L	10/07/05	baf
	Bis(2-ethylhexyl)phthalate	ND	U	10	ug/L	10/07/05	baf
	Benzo(b)fluoranthene	ND	U	5.0	ug/L	10/07/05	baf
	Benzo(k)fluoranthene	ND	U	5.0	ug/L	10/07/05	baf
	Benzo(a)pyrene	ND	U	5.0	ug/L	10/07/05	baf
	Indeno(1,2,3-cd)pyrene	ND	U	5.0	ug/L	10/07/05	baf
	Dibenzo(a,h)anthracene	ND	U	5.0	ug/L	10/07/05	baf

* In Description = Dry Wgt.

SEVERN TRENT STL

MADEP MA014
RIDOH57
CTDPH 0494
VT DECWSD
NH DES 253903-A

NELAP FL E87912 TOX
NELAP NJ MA008 TOX
NELAP NY 10843
NY DOH 10843

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Fax: (978) 667-7871

LABORATORY TEST RESULTS

Job Number: 229910 Date: 10/18/2005

CUSTOMER: Honeywell International PROJECT: SAMPLING FOR BESLEY ATTN: Richard Galloway

Customer Sample ID: B093005 - Influent
Date Sampled.....: 09/30/2005
Time Sampled.....: 10:10
Sample Matrix.....: Water

Laboratory Sample ID: 229910-1
Date Received.....: 09/30/2005
Time Received.....: 16:39

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	REPORTING LIMIT	UNITS	DATE	TECH
	Benzo(ghi)perylene	ND	U	5.0	ug/L	10/07/05	baf
SW846 8011	GC Micro-Extractable Volatiles						
	1,2-Dibromoethane (EDB)	ND	U	0.020	ug/L	10/05/05	pjs
EPA 608	Pesticides/PCBs (Organochlorine)						
	Aroclor 1016	ND	U	1.0	ug/L	10/07/05	jcs
	Aroclor 1221	ND	U	1.0	ug/L	10/07/05	jcs
	Aroclor 1232	ND	U	1.0	ug/L	10/07/05	jcs
	Aroclor 1242	ND	U	1.0	ug/L	10/07/05	jcs
	Aroclor 1248	ND	U	1.0	ug/L	10/07/05	jcs
	Aroclor 1254	ND	U	1.0	ug/L	10/07/05	jcs
	Aroclor 1260	ND	U	1.0	ug/L	10/07/05	jcs
	Chlordane, total	ND	U	0.50	ug/L	10/07/05	jcs
SW846 8260B	Volatile Organics						
	Benzene	ND	U	20	ug/L	10/07/05	blw
	Toluene	ND	U	20	ug/L	10/07/05	blw
	Ethylbenzene	ND	U	20	ug/L	10/07/05	blw
	m&p-Xylenes	ND	U	20	ug/L	10/07/05	blw
	o-Xylene	ND	U	20	ug/L	10/07/05	blw
	1,1-Dichloroethene	ND	U	20	ug/L	10/07/05	blw
	Methyl-tert-butyl-ether (MTBE)	ND	U	20	ug/L	10/07/05	blw
	1,1-Dichloroethane	ND	U	20	ug/L	10/07/05	blw
	cis-1,2-Dichloroethene	230		20	ug/L	10/07/05	blw
	Carbon tetrachloride	ND	U	20	ug/L	10/07/05	blw
	1,2-Dichloroethane	ND	U	20	ug/L	10/07/05	blw
	1,3-Dichlorobenzene	ND	U	20	ug/L	10/07/05	blw
	1,4-Dichlorobenzene	ND	U	20	ug/L	10/07/05	blw
	1,2-Dichlorobenzene	ND	U	20	ug/L	10/07/05	blw
	Naphthalene	ND	U	100	ug/L	10/07/05	blw
	tert-Butyl alcohol (TBA)	ND	U	1000	ug/L	10/07/05	blw
	tert-Amyl methyl ether (TAME)	ND	U	100	ug/L	10/07/05	blw
	Vinyl chloride	ND	U	20	ug/L	10/07/05	blw
	Acetone	ND	U	1000	ug/L	10/07/05	blw
	Methylene chloride	ND	U	40	ug/L	10/07/05	blw
	1,1,1-Trichloroethane	ND	U	20	ug/L	10/07/05	blw
	Trichloroethene (TCE)	580		20	ug/L	10/07/05	blw
	1,1,2-Trichloroethane	ND	U	20	ug/L	10/07/05	blw
	Tetrachloroethene	ND	U	20	ug/L	10/07/05	blw
	1,4-Dioxane	ND	U	1000	ug/L	10/07/05	blw

* In Description = Dry Wgt.

SEVERN TRENT STL

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LABORATORY TEST RESULTS

Job Number: 229910 Date: 10/18/2005

CUSTOMER: Honeywell International PROJECT: SAMPLING FOR BESLEY ATTN: Richard Galloway

Customer Sample ID: B093005 - Effluent
Date Sampled.....: 09/30/2005
Time Sampled.....: 11:00
Sample Matrix.....: Water

Laboratory Sample ID: 229910-2
Date Received.....: 09/30/2005
Time Received.....: 16:39

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	REPORTING LIMIT	UNITS	DATE	TECH
SM18 4500CLF	Chlorine, Tot. Residual	0.35		0.050	mg/L	10/04/05	grb
EPA 160.2	Solids, Total Suspended (TSS)	ND	U	5.0	mg/L	10/04/05	rac
SW846 7196A	Hexavalent Chromium	ND	U	0.0050	mg/L	09/30/05	kmm
SW846 9014(MCP	Cyanide, Total	ND	U	0.010	mg/L	10/06/05	kmm
SW846 7470A	Mercury (CVAA) Liquid Waste						
	Mercury (Hg)	ND	U	0.20	ug/L	10/07/05	bpg
SW846 6010B	Metals Analysis (ICP)						
	Iron (Fe)	68		50	ug/L	10/17/05	bpg
SW846 6010B	Metals Analysis (ICP)						
	Antimony (Sb)	ND	U	6.0	ug/L	10/17/05	bpg
	Arsenic (As)	ND	U	5.0	ug/L	10/17/05	bpg
	Cadmium (Cd)	ND	U	1.0	ug/L	10/17/05	bpg
	Chromium (Cr)	ND	U	5.0	ug/L	10/17/05	bpg
	Copper (Cu)	ND	U	5.0	ug/L	10/17/05	bpg
	Lead (Pb)	ND	U	5.0	ug/L	10/17/05	bpg
	Nickel (Ni)	ND	U	10	ug/L	10/17/05	bpg
	Selenium (Se)	ND	U	10	ug/L	10/17/05	bpg
	Silver (Ag)	ND	U	5.0	ug/L	10/17/05	bpg
	Zinc (Zn)	ND	U	10	ug/L	10/17/05	bpg
SW846 8011	GC-Microextraction						
	Microextraction	Complete			Text	10/04/05	pjs
SW846 8270C	Semivolatile Organics						
	Phenol	ND	U	10	ug/L	10/07/05	baf
	Pentachlorophenol	ND	U	50	ug/L	10/07/05	baf
	Naphthalene	ND	U	5.0	ug/L	10/07/05	baf
	Acenaphthylene	ND	U	5.0	ug/L	10/07/05	baf
	Acenaphthene	ND	U	5.0	ug/L	10/07/05	baf
	Fluorene	ND	U	5.0	ug/L	10/07/05	baf
	Phenanthrene	ND	U	5.0	ug/L	10/07/05	baf
	Anthracene	ND	U	5.0	ug/L	10/07/05	baf
	Fluoranthene	ND	U	5.0	ug/L	10/07/05	baf
	Pyrene	ND	U	5.0	ug/L	10/07/05	baf
	Benzo(a)anthracene	ND	U	5.0	ug/L	10/07/05	baf
	Chrysene	ND	U	5.0	ug/L	10/07/05	baf
	Bis(2-ethylhexyl)phthalate	ND	U	10	ug/L	10/07/05	baf
	Benzo(b)fluoranthene	ND	U	5.0	ug/L	10/07/05	baf
	Benzo(k)fluoranthene	ND	U	5.0	ug/L	10/07/05	baf
	Benzo(a)pyrene	ND	U	5.0	ug/L	10/07/05	baf
	Indeno(1,2,3-cd)pyrene	ND	U	5.0	ug/L	10/07/05	baf
	Dibenzo(a,h)anthracene	ND	U	5.0	ug/L	10/07/05	baf

* In Description = Dry Wgt.

SEVERN TRENT STL

MADEP MA014
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CTDPH 0494
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NH DES 253903-A

NELAP FL E87912 TOX
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LABORATORY TEST RESULTS

Job Number: 229910 Date: 10/18/2005

CUSTOMER: Honeywell International PROJECT: SAMPLING FOR BESLEY ATTN: Richard Galloway

Customer Sample ID: B093005 - Effluent
Date Sampled.....: 09/30/2005
Time Sampled.....: 11:00
Sample Matrix.....: Water

Laboratory Sample ID: 229910-2
Date Received.....: 09/30/2005
Time Received.....: 16:39

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	REPORTING LIMIT	UNITS	DATE	TECH
	Benzo(ghi)perylene	ND	U	5.0	ug/L	10/07/05	baf
SW846 8011	GC Micro-Extractable Volatiles						
	1,2-Dibromoethane (EDB)	ND	U	0.020	ug/L	10/05/05	pjs
EPA 608	Pesticides/PCBs (Organochlorine)						
	Aroclor 1016	ND	U	1.0	ug/L	10/07/05	jcs
	Aroclor 1221	ND	U	1.0	ug/L	10/07/05	jcs
	Aroclor 1232	ND	U	1.0	ug/L	10/07/05	jcs
	Aroclor 1242	ND	U	1.0	ug/L	10/07/05	jcs
	Aroclor 1248	ND	U	1.0	ug/L	10/07/05	jcs
	Aroclor 1254	ND	U	1.0	ug/L	10/07/05	jcs
	Aroclor 1260	ND	U	1.0	ug/L	10/07/05	jcs
	Chlordane, total	ND	U	0.50	ug/L	10/07/05	jcs
SW846 8260B	Volatile Organics						
	Benzene	ND	U	1.0	ug/L	10/07/05	blw
	Toluene	ND	U	1.0	ug/L	10/07/05	blw
	Ethylbenzene	ND	U	1.0	ug/L	10/07/05	blw
	m&p-Xylenes	ND	U	1.0	ug/L	10/07/05	blw
	o-Xylene	ND	U	1.0	ug/L	10/07/05	blw
	1,1-Dichloroethene	ND	U	1.0	ug/L	10/07/05	blw
	Methyl-tert-butyl-ether (MTBE)	ND	U	1.0	ug/L	10/07/05	blw
	1,1-Dichloroethane	ND	U	1.0	ug/L	10/07/05	blw
	cis-1,2-Dichloroethene	ND	U	1.0	ug/L	10/07/05	blw
	Carbon tetrachloride	ND	U	1.0	ug/L	10/07/05	blw
	1,2-Dichloroethane	ND	U	1.0	ug/L	10/07/05	blw
	1,3-Dichlorobenzene	ND	U	1.0	ug/L	10/07/05	blw
	1,4-Dichlorobenzene	ND	U	1.0	ug/L	10/07/05	blw
	1,2-Dichlorobenzene	ND	U	1.0	ug/L	10/07/05	blw
	Naphthalene	ND	U	5.0	ug/L	10/07/05	blw
	tert-Butyl alcohol (TBA)	ND	U	50	ug/L	10/07/05	blw
	tert-Amyl methyl ether (TAME)	ND	U	5.0	ug/L	10/07/05	blw
	Vinyl chloride	ND	U	1.0	ug/L	10/07/05	blw
	Acetone	ND	U	50	ug/L	10/07/05	blw
	Methylene chloride	ND	U	2.0	ug/L	10/07/05	blw
	1,1,1-Trichloroethane	4.4		1.0	ug/L	10/07/05	blw
	Trichloroethene (TCE)	ND	U	1.0	ug/L	10/07/05	blw
	1,1,2-Trichloroethane	ND	U	1.0	ug/L	10/07/05	blw
	Tetrachloroethene	ND	U	1.0	ug/L	10/07/05	blw
	1,4-Dioxane	ND	U	50	ug/L	10/07/05	blw

* In Description = Dry Wgt.

SEVERN TRENT STL

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LABORATORY TEST RESULTS

Job Number: 229910 Date: 10/18/2005

CUSTOMER: Honeywell International PROJECT: SAMPLING FOR BESLEY ATTN: Richard Galloway

Customer Sample ID: B093005-Trip Blank
Date Sampled.....: 09/29/2005
Time Sampled.....: 09:00
Sample Matrix.....: Lab Water

Laboratory Sample ID: 229910-3
Date Received.....: 09/30/2005
Time Received.....: 16:39

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	REPORTING LIMIT	UNITS	DATE	TECH
SW846 8260B	Volatile Organics						
	Benzene	ND	U	1.0	ug/L	10/07/05	blw
	Toluene	ND	U	1.0	ug/L	10/07/05	blw
	Ethylbenzene	ND	U	1.0	ug/L	10/07/05	blw
	m&p-Xylenes	ND	U	1.0	ug/L	10/07/05	blw
	o-Xylene	ND	U	1.0	ug/L	10/07/05	blw
	1,1-Dichloroethene	ND	U	1.0	ug/L	10/07/05	blw
	Methyl-tert-butyl-ether (MTBE)	ND	U	1.0	ug/L	10/07/05	blw
	1,1-Dichloroethane	ND	U	1.0	ug/L	10/07/05	blw
	cis-1,2-Dichloroethene	ND	U	1.0	ug/L	10/07/05	blw
	Carbon tetrachloride	ND	U	1.0	ug/L	10/07/05	blw
	1,2-Dichloroethane	ND	U	1.0	ug/L	10/07/05	blw
	1,3-Dichlorobenzene	ND	U	1.0	ug/L	10/07/05	blw
	1,4-Dichlorobenzene	ND	U	1.0	ug/L	10/07/05	blw
	1,2-Dichlorobenzene	ND	U	1.0	ug/L	10/07/05	blw
	Naphthalene	ND	U	5.0	ug/L	10/07/05	blw
	tert-Butyl alcohol (TBA)	ND	U	50	ug/L	10/07/05	blw
	tert-Amyl methyl ether (TAME)	ND	U	5.0	ug/L	10/07/05	blw
	Vinyl chloride	ND	U	1.0	ug/L	10/07/05	blw
	Acetone	ND	U	50	ug/L	10/07/05	blw
	Methylene chloride	ND	U	2.0	ug/L	10/07/05	blw
	1,1,1-Trichloroethane	ND	U	1.0	ug/L	10/07/05	blw
	Trichloroethene (TCE)	ND	U	1.0	ug/L	10/07/05	blw
	1,1,2-Trichloroethane	ND	U	1.0	ug/L	10/07/05	blw
	Tetrachloroethene	ND	U	1.0	ug/L	10/07/05	blw
	1,4-Dioxane	ND	U	50	ug/L	10/07/05	blw

* In Description = Dry Wgt.

SEVERN TRENT STL

MADEP MA014
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LABORATORY CHRONICLE

Job Number: 229910 Date: 10/18/2005

CUSTOMER: Honeywell International PROJECT: SAMPLING FOR BESLEY ATTN: Richard Galloway

Lab ID: 229910-1 Client ID: B093005 - Influent Date Recvd: 09/30/2005 Sample Date: 09/30/2005

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED		DILUTION
3010A	Acid Digestion, Total (ICP)	1	50654		10/03/2005	0000	
SM18 4500CLF	Chlorine,(DPD)	1	50927		10/04/2005	0000	
SW846 9014(MCP	Cyanide	1	50858		10/06/2005	0000	
SW8469010A MCP	Cyanide Preparation Aqueous Matrix	1	50786		10/05/2005	0000	
SW846 3510C	Extraction Sep. Funnel (SVOC)	1	50760		10/04/2005	0000	
EPA 608 Extr.	Extraction Sep. Funnel Prep for EPA 608	1	50903		10/06/2005	0000	
SW846 8011	GC Micro-Extractable Volatiles	1	50773		10/05/2005	0242	
SW846 8011	GC-Microextraction	1	50747		10/04/2005	0000	
SW846 7196A	Hexavalent Chromium	1	50725		09/30/2005	1800	
SW846 7470A	Mercury (CVAA) Aqueous Preparation	1	50840		10/05/2005	1443	
SW846 7470A	Mercury (CVAA) Liquid Waste	1	51091	50840	10/07/2005	1524	
SW846 6010B	Metals Analysis (ICP)	1	51289	50654	10/13/2005	1628	
SW846 6010B	Metals Analysis (ICP)	1	51420	50654	10/17/2005	1624	
EPA 608	Pesticides/PCBs (Organochlorine)	1	51015	50903	10/07/2005	2325	
SW846 8270C	Semivolatile Organics	1	51025	50760	10/07/2005	1954	
EPA 160.2	Solids, Total Suspended (TSS)	1	50847		10/04/2005	0000	
	Special Instructions	1	50959				
	Special Instructions	1	51017		10/10/2005	0000	
SW846 8260B	Volatile Organics	1	50954		10/07/2005	0825	20

Lab ID: 229910-2 Client ID: B093005 - Effluent Date Recvd: 09/30/2005 Sample Date: 09/30/2005

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED		DILUTION
3010A	Acid Digestion, Total (ICP)	1	50654		10/03/2005	0000	
SM18 4500CLF	Chlorine,(DPD)	1	50927		10/04/2005	0000	
SW846 9014(MCP	Cyanide	1	50858		10/06/2005	0000	
SW8469010A MCP	Cyanide Preparation Aqueous Matrix	1	50786		10/05/2005	0000	
SW846 3510C	Extraction Sep. Funnel (SVOC)	1	50760		10/04/2005	0000	
EPA 608 Extr.	Extraction Sep. Funnel Prep for EPA 608	1	50903		10/06/2005	0000	
SW846 8011	GC Micro-Extractable Volatiles	1	50773		10/05/2005	0257	
SW846 8011	GC-Microextraction	1	50747		10/04/2005	0000	
SW846 7196A	Hexavalent Chromium	1	50725		09/30/2005	1800	
SW846 7470A	Mercury (CVAA) Aqueous Preparation	1	50840		10/05/2005	1500	
SW846 7470A	Mercury (CVAA) Liquid Waste	1	51091	50840	10/07/2005	1527	
SW846 6010B	Metals Analysis (ICP)	1	51420	50654	10/17/2005	1723	
SW846 6010B	Metals Analysis (ICP)	1	51395	50654	10/17/2005	1826	
EPA 608	Pesticides/PCBs (Organochlorine)	1	51015	50903	10/07/2005	2350	
SW846 8270C	Semivolatile Organics	1	51025	50760	10/07/2005	2032	
EPA 160.2	Solids, Total Suspended (TSS)	1	50847		10/04/2005	0000	
	Special Instructions	1	50959				
	Special Instructions	1	51017		10/10/2005	0000	
SW846 8260B	Volatile Organics	1	50954		10/07/2005	0849	1

Lab ID: 229910-3 Client ID: B093005-Trip Blank Date Recvd: 09/30/2005 Sample Date: 09/29/2005

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED		DILUTION
	Special Instructions	1	51075		10/07/2005	1000	
SW846 8260B	Volatile Organics	1	50954		10/07/2005	0912	1

SEVERN TRENT STL

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SURROGATE RECOVERIES REPORT

Job Number.: 229910 Report Date.: 10/18/2005

CUSTOMER: Honeywell International PROJECT: SAMPLING FOR BESLEY ATTN: Richard Galloway

Method.....: Pesticides/PCBs (Organochlorine) Method Code...: 608 Prep Batch....: 50903
Batch(s).....: 51015 Test Matrix...: Water Equipment Code:

Lab ID	DT	Sample ID	Date	DCB	TCX
LCD			10/08/2005	156.5	144.0
LCS			10/08/2005	83.4	86.3
MB			10/08/2005	125.3	94.5
229910- 1		B093005 - Influent	10/07/2005	114.1	94.7
229910- 2		B093005 - Effluent	10/07/2005	110.6	94.9

Test	Test Description	Limits
DCB	Decachlorobiphenyl (surr)	30.0 - 150.
TCX	Tetrachloro-m-xylene (surr)	30.0 - 150.

SEVERN TRENT STL

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SURROGATE RECOVERIES REPORT

Job Number.: 229910 Report Date.: 10/18/2005

CUSTOMER: Honeywell International PROJECT: SAMPLING FOR BESLEY ATTN: Richard Galloway

Method.....: Volatile Organics Method Code...: 8260 Prep Batch....:
Batch(s).....: 50954 Test Matrix...: Water Equipment Code: VHPMS1

Lab ID	DT	Sample ID	Date	12DCED	DBRFLM	TOLD8
LCD			10/07/2005	104.7	102.7	98.9
LCS			10/07/2005	106.5	102.3	100.8
MB			10/07/2005	100.0	99.2	98.8
229910- 1		B093005 - Influent	10/07/2005	103.7	99.4	99.7
229910- 2		B093005 - Effluent	10/07/2005	100.4	100.5	95.2
229910- 3		B093005-Trip Blank	10/07/2005	100.4	100.2	95.2

Test	Test Description	Limits
12DCED	1,2-Dichloroethane-d4 (surr)	70.0 - 130.
DBRFLM	Dibromofluoromethane (surr)	70.0 - 130.
TOLD8	Toluene-d8 (surr)	70.0 - 130.

SEVERN TRENT STL

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SURROGATE RECOVERIES REPORT

Job Number.: 229910 Report Date.: 10/18/2005

CUSTOMER: Honeywell International PROJECT: SAMPLING FOR BESLEY ATTN: Richard Galloway

Method.....: Semivolatile Organics Method Code...: 8270 Prep Batch....: 50760
Batch(s).....: 51025 Test Matrix...: Water Equipment Code: EHPGC1

Lab ID	DT	Sample ID	Date	246TBP	2FLUBP	2FLUPH	NITRD5	PHEND5	TERD14
LCD			10/04/2005	75.9	74.3	43.7	72.1	32.7	73.4
LCS			10/04/2005	74.7	70.7	34.8	65.4	25.0	73.3
MB			10/04/2005	73.7	69.2	34.7	70.8	30.9	76.9
229910- 1		B093005 - Influent	10/07/2005	33.1	31.6	20.4	31.9	13.0*	52.6
229910- 2		B093005 - Effluent	10/07/2005	33.8	34.0	20.2	34.1	12.7*	54.6

Test	Test Description	Limits
246TBP	2,4,6-Tribromophenol (surr)	15.0 - 110.
2FLUBP	2-Fluorobiphenyl (surr)	30.0 - 130.
2FLUPH	2-Fluorophenol (surr)	15.0 - 110.
NITRD5	Nitrobenzene-d5 (surr)	30.0 - 130.
PHEND5	Phenol-d5 (surr)	15.0 - 110.
TERD14	Terphenyl-d14 (surr)	30.0 - 130.

SEVERN TRENT STL

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QUALITY CONTROL RESULTS

Job Number.: 229910 Report Date.: 10/18/2005

CUSTOMER: Honeywell International PROJECT: SAMPLING FOR BESLEY ATTN: Richard Galloway

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
LCD	Laboratory Control Sample Duplicate	E05ISPK058	50760		10/04/2005	1607

Test Method.....: SW846 8270C Analyst...: baf
Method Description.: Semivolatile Organics Batch.....: 51025

Parameter/Test Description	Units	QC Result		QC Result		True Value	Orig. Value		QC Calc.	*	Limits	F
Phenol	ug/L	14.960		11.460		40.000	10.000	U	37.4		30.0-130.0	*
									26.5		20.0	
Naphthalene	ug/L	24.750		22.180		40.000	5.000	U	61.9		40.0-140.0	
									11.0		20.0	
Acenaphthylene	ug/L	31.200		30.010		40.000	5.000	U	78.0		40.0-140.0	
									3.9		20.0	
Acenaphthene	ug/L	27.580		26.520		40.000	5.000	U	69.0		40.0-140.0	
									3.9		20.0	
Fluorene	ug/L	27.510		27.390		40.000	5.000	U	68.8		40.0-140.0	
									0.4		20.0	
Pentachlorophenol	ug/L	27.810	J	28.390	J	40.000	50.000	U	69.5		30.0-130.0	
									2.1		20.0	
Phenanthrene	ug/L	29.630		29.440		40.000	5.000	U	74.1		40.0-140.0	
									0.6		20.0	
Anthracene	ug/L	30.070		30.110		40.000	5.000	U	75.2		40.0-140.0	
									0.1		20.0	
Fluoranthene	ug/L	28.650		28.840		40.000	5.000	U	71.6		40.0-140.0	
									0.7		20.0	
Pyrene	ug/L	30.360		29.390		40.000	5.000	U	75.9		40.0-140.0	
									3.2		20.0	
Benzo(a)anthracene	ug/L	27.910		27.730		40.000	5.000	U	69.8		40.0-140.0	
									0.6		20.0	
Chrysene	ug/L	27.850		27.590		40.000	5.000	U	69.6		40.0-140.0	
									0.9		20.0	
Bis(2-ethylhexyl)phthalate	ug/L	28.110		28.140		40.000	10.000	U	70.3		40.0-140.0	
									0.1		20.0	
Benzo(b)fluoranthene	ug/L	29.260		27.950		40.000	5.000	U	73.2		40.0-140.0	
									4.6		20.0	
Benzo(k)fluoranthene	ug/L	32.250		33.500		40.000	5.000	U	80.6		40.0-140.0	
									3.8		20.0	
Benzo(a)pyrene	ug/L	30.190		30.050		40.000	5.000	U	75.5		40.0-140.0	
									0.5		20.0	
Indeno(1,2,3-cd)pyrene	ug/L	26.070		25.650		40.000	5.000	U	65.2		40.0-140.0	
									1.6		20.0	
Dibenzo(a,h)anthracene	ug/L	26.670		26.170		40.000	5.000	U	66.7		40.0-140.0	
									1.9		20.0	
Benzo(ghi)perylene	ug/L	23.880		23.500		40.000	5.000	U	59.7		40.0-140.0	
									1.6		20.0	

SEVERN TRENT STL

MADEP MA014
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QUALITY CONTROL RESULTS

Job Number.: 229910 Report Date.: 10/18/2005

CUSTOMER: Honeywell International PROJECT: SAMPLING FOR BESLEY ATTN: Richard Galloway

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
LCS	Laboratory Control Sample	E05ISPK058	50760		10/04/2005	1522

Test Method.....: SW846 8270C Analyst...: baf
Method Description.: Semivolatile Organics Batch.....: 51025

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Phenol	ug/L	11.460		40.000	10.000 U	28.6		30-130	*
Naphthalene	ug/L	22.180		40.000	5.000 U	55.5		40-140	
Acenaphthylene	ug/L	30.010		40.000	5.000 U	75.0		40-140	
Acenaphthene	ug/L	26.520		40.000	5.000 U	66.3		40-140	
Fluorene	ug/L	27.390		40.000	5.000 U	68.5		40-140	
Pentachlorophenol	ug/L	28.390	J	40.000	50.000 U	71.0		30-130	
Phenanthrene	ug/L	29.440		40.000	5.000 U	73.6		40-140	
Anthracene	ug/L	30.110		40.000	5.000 U	75.3		40-140	
Fluoranthene	ug/L	28.840		40.000	5.000 U	72.1		40-140	
Pyrene	ug/L	29.390		40.000	5.000 U	73.5		40-140	
Benzo(a)anthracene	ug/L	27.730		40.000	5.000 U	69.3		40-140	
Chrysene	ug/L	27.590		40.000	5.000 U	69.0		40-140	
Bis(2-ethylhexyl)phthalate	ug/L	28.140		40.000	10.000 U	70.3		40-140	
Benzo(b)fluoranthene	ug/L	27.950		40.000	5.000 U	69.9		40-140	
Benzo(k)fluoranthene	ug/L	33.500		40.000	5.000 U	83.8		40-140	
Benzo(a)pyrene	ug/L	30.050		40.000	5.000 U	75.1		40-140	
Indeno(1,2,3-cd)pyrene	ug/L	25.650		40.000	5.000 U	64.1		40-140	
Dibenzo(a,h)anthracene	ug/L	26.170		40.000	5.000 U	65.4		40-140	
Benzo(ghi)perylene	ug/L	23.500		40.000	5.000 U	58.8		40-140	

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QUALITY CONTROL RESULTS

Job Number.: 229910 Report Date.: 10/18/2005

CUSTOMER: Honeywell International PROJECT: SAMPLING FOR BESLEY ATTN: Richard Galloway

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MB	Method Blank		50760		10/04/2005	1438

Test Method.....: SW846 8270C Analyst...: baf
Method Description.: Semivolatile Organics Batch.....: 51025

Parameter/Test Description	Units	QC Result		QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Phenol	ug/L	10.000	U							
Naphthalene	ug/L	5.000	U							
Acenaphthylene	ug/L	5.000	U							
Acenaphthene	ug/L	5.000	U							
Fluorene	ug/L	5.000	U							
Pentachlorophenol	ug/L	50.000	U							
Phenanthrene	ug/L	5.000	U							
Anthracene	ug/L	5.000	U							
Fluoranthene	ug/L	5.000	U							
Pyrene	ug/L	5.000	U							
Benzo(a)anthracene	ug/L	5.000	U							
Chrysene	ug/L	5.000	U							
Bis(2-ethylhexyl)phthalate	ug/L	10.000	U							
Benzo(b)fluoranthene	ug/L	5.000	U							
Benzo(k)fluoranthene	ug/L	5.000	U							
Benzo(a)pyrene	ug/L	5.000	U							
Indeno(1,2,3-cd)pyrene	ug/L	5.000	U							
Dibenzo(a,h)anthracene	ug/L	5.000	U							
Benzo(ghi)perylene	ug/L	5.000	U							

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

SEVERN TRENT STL

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NH DES 253903-A

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QUALITY CONTROL RESULTS

Job Number.: 229910 Report Date.: 10/18/2005

CUSTOMER: Honeywell International PROJECT: SAMPLING FOR BESLEY ATTN: Richard Galloway

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time

Test Method.....: SW846 8011 Analyst...: pjs
Method Description.: GC Micro-Extractable Volatiles Batch.....: 50773

LCD	Laboratory Control Sample Duplicate	S04HSPK303			10/04/2005	2154

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
1,2-Dibromoethane (EDB)	ug/L	0.305	0.286	0.251	0.020 U	121.5		70.0-130.0	
						6.4		20.0	

SEVERN TRENT STL

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QUALITY CONTROL RESULTS

Job Number.: 229910

Report Date.: 10/18/2005

CUSTOMER: Honeywell International | PROJECT: SAMPLING FOR BESLEY | ATTN: Richard Galloway

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
LCS	Laboratory Control Sample	S04HSPK303			10/04/2005	2137

Test Method.....: SW846 8011
Method Description.: GC Micro-Extractable Volatiles

Batch.....: 50773

Analyst...: pjs

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
1,2-Dibromoethane (EDB)	ug/L	0.286		0.251	0.020 U	113.9		70-130	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

SEVERN TRENT STL

MADEP MA014
RIDOH57
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QUALITY CONTROL RESULTS

Job Number.: 229910 Report Date.: 10/18/2005

CUSTOMER: Honeywell International PROJECT: SAMPLING FOR BESLEY ATTN: Richard Galloway

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time

Test Method.....: SW846 8011 Analyst...: pjs
Method Description.: GC Micro-Extractable Volatiles Batch.....: 50773

MB	Method Blank				10/04/2005	2122

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
1,2-Dibromoethane (EDB)	ug/L	0.020 U							

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

SEVERN TRENT STL

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QUALITY CONTROL RESULTS

Job Number.: 229910

Report Date.: 10/18/2005

CUSTOMER: Honeywell International | PROJECT: SAMPLING FOR BESLEY | ATTN: Richard Galloway

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time

Test Method.....: SW846 8011
Method Description.: GC Micro-Extractable Volatiles
Batch.....: 50773
Analyst...: pjs

MS	Matrix Spike	S04HSPK303	229761-7		10/04/2005	2355

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
1,2-Dibromoethane (EDB)	ug/L	0.294		0.251	0.020 U	117	%	65-135	

MS	Matrix Spike	S04HSPK303	229762-3		10/05/2005	0141

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
1,2-Dibromoethane (EDB)	ug/L	0.291		0.251	0.020 U	116	%	65-135	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

SEVERN TRENT STL

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QUALITY CONTROL RESULTS

Job Number.: 229910 Report Date.: 10/18/2005

CUSTOMER: Honeywell International PROJECT: SAMPLING FOR BESLEY ATTN: Richard Galloway

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time

Test Method.....: SW846 8011 Analyst...: pjs
Method Description.: GC Micro-Extractable Volatiles Batch.....: 50773

MSD	Matrix Spike Duplicate	S04HSPK303	229761-7		10/05/2005	0010

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
1,2-Dibromoethane (EDB)	ug/L	0.290	0.294	0.251	0.020 U	116		65-135	
						1		20	

MSD	Matrix Spike Duplicate	S04HSPK303	229762-3		10/05/2005	0156

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
1,2-Dibromoethane (EDB)	ug/L	0.298	0.291	0.251	0.020 U	119		65-135	
						2		20	

SEVERN TRENT STL

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QUALITY CONTROL RESULTS

Job Number.: 229910 Report Date.: 10/18/2005

CUSTOMER: Honeywell International PROJECT: SAMPLING FOR BESLEY ATTN: Richard Galloway

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
LCD	Laboratory Control Sample Duplicate	E05IWRK005	50903		10/08/2005	0128

Test Method.....: EPA 608 Analyst...: jcs
Method Description.: Pesticides/PCBs (Organochlorine) Batch.....: 51015

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Aroclor 1016	ug/L	2.533	2.257		1.000 U				
Aroclor 1260	ug/L	2.595	2.297		1.000 U				

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

SEVERN TRENT STL

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QUALITY CONTROL RESULTS

Job Number.: 229910

Report Date.: 10/18/2005

CUSTOMER: Honeywell International | PROJECT: SAMPLING FOR BESLEY | ATTN: Richard Galloway

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
LCS	Laboratory Control Sample	E05IWRK005	50903		10/08/2005	0103

Test Method.....: EPA 608
Method Description.: Pesticides/PCBs (Organochlorine)
Batch.....: 51015
Analyst...: jcs

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Aroclor 1016	ug/L	2.257			1.000 U				
Aroclor 1260	ug/L	2.297			1.000 U				

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

SEVERN TRENT STL

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QUALITY CONTROL RESULTS

Job Number.: 229910

Report Date.: 10/18/2005

CUSTOMER: Honeywell International | PROJECT: SAMPLING FOR BESLEY | ATTN: Richard Galloway

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MB	Method Blank		50903		10/08/2005	0039

Test Method.....: EPA 608
Method Description.: Pesticides/PCBs (Organochlorine)
Batch.....: 51015
Analyst...: jcs

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Aroclor 1016	ug/L	1.000	U						
Aroclor 1221	ug/L	1.000	U						
Aroclor 1232	ug/L	1.000	U						
Aroclor 1242	ug/L	1.000	U						
Aroclor 1248	ug/L	1.000	U						
Aroclor 1254	ug/L	1.000	U						
Aroclor 1260	ug/L	1.000	U						
Chlordane, total	ug/L	0.500	U						

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

SEVERN TRENT STL

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QUALITY CONTROL RESULTS

Job Number.: 229910 Report Date.: 10/18/2005

CUSTOMER: Honeywell International PROJECT: SAMPLING FOR BESLEY ATTN: Richard Galloway

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time

Test Method.....: SW846 8260B Analyst...: blw
Method Description.: Volatile Organics Batch.....: 50954

LCD	Laboratory Control Sample Duplicate	V04EWRK001			10/07/2005	0039

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Vinyl chloride	ug/L	19.620	19.390	20.000	1.000 U	98.1		70.0-130.0	
						1.2		25.0	
1,1-Dichloroethene	ug/L	19.240	19.060	20.000	1.000 U	96.2		70.0-130.0	
						0.9		25.0	
Acetone	ug/L	269.090	266.500	200.000	50.000 U	134.5		70.0-130.0	*
						1.0		25.0	
Methylene chloride	ug/L	18.720	18.670	20.000	2.000 U	93.6		70.0-130.0	
						0.3		25.0	
Methyl-tert-butyl-ether (MTBE)	ug/L	17.360	17.240	20.000	1.000 U	86.8		70.0-130.0	
						0.7		25.0	
1,1-Dichloroethane	ug/L	19.240	19.180	20.000	1.000 U	96.2		70.0-130.0	
						0.3		25.0	
cis-1,2-Dichloroethene	ug/L	19.600	19.330	20.000	1.000 U	98.0		70.0-130.0	
						1.4		25.0	
1,1,1-Trichloroethane	ug/L	19.370	19.240	20.000	1.000 U	96.8		70.0-130.0	
						0.7		25.0	
Carbon tetrachloride	ug/L	20.330	20.310	20.000	1.000 U	101.7		70.0-130.0	
						0.1		25.0	
Benzene	ug/L	19.090	18.850	20.000	1.000 U	95.5		70.0-130.0	
						1.3		25.0	
1,2-Dichloroethane	ug/L	18.950	18.820	20.000	1.000 U	94.8		70.0-130.0	
						0.7		25.0	
Trichloroethene (TCE)	ug/L	18.260	18.090	20.000	1.000 U	91.3		70.0-130.0	
						0.9		25.0	
Toluene	ug/L	18.320	18.540	20.000	1.000 U	91.6		70.0-130.0	
						1.2		25.0	
1,1,2-Trichloroethane	ug/L	18.490	18.940	20.000	1.000 U	92.5		70.0-130.0	
						2.4		25.0	
Tetrachloroethene	ug/L	19.060	19.430	20.000	1.000 U	95.3		70.0-130.0	
						1.9		25.0	
Ethylbenzene	ug/L	19.330	18.990	20.000	1.000 U	96.7		70.0-130.0	
						1.8		25.0	
m&p-Xylenes	ug/L	38.670	38.160	40.000	1.000 U	96.7		70.0-130.0	
						1.3		25.0	
o-Xylene	ug/L	19.050	18.620	20.000	1.000 U	95.2		70.0-130.0	
						2.3		25.0	
1,3-Dichlorobenzene	ug/L	19.320	19.120	20.000	1.000 U	96.6		70.0-130.0	
						1.0		25.0	
1,4-Dichlorobenzene	ug/L	19.090	18.880	20.000	1.000 U	95.5		70.0-130.0	
						1.1		25.0	
1,2-Dichlorobenzene	ug/L	18.910	18.650	20.000	1.000 U	94.5		70.0-130.0	
						1.4		25.0	
Naphthalene	ug/L	19.030	19.150	20.000	5.000 U	95.2		70.0-130.0	
						0.6		25.0	
tert-Butyl alcohol (TBA)	ug/L	225.870	236.710	200.000	50.000 U	112.9		70.0-130.0	
						4.7		25.0	
1,4-Dioxane	ug/L	247.020	231.640	200.000	50.000 U	123.5		70.0-130.0	
						6.4		25.0	
tert-Amyl methyl ether (TAME)	ug/L	18.560	18.210	20.000	5.000 U	92.8		70.0-130.0	
						1.9		25.0	

SEVERN TRENT STL

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QUALITY CONTROL RESULTS

Job Number.: 229910 Report Date.: 10/18/2005

CUSTOMER: Honeywell International PROJECT: SAMPLING FOR BESLEY ATTN: Richard Galloway

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
LCS	Laboratory Control Sample	V04EWRK001			10/07/2005	0015

Test Method.....: SW846 8260B Analyst...: blw
Method Description.: Volatile Organics Batch.....: 50954

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Vinyl chloride	ug/L	19.390		20.000	1.000 U	97.0		70-130	
1,1-Dichloroethene	ug/L	19.060		20.000	1.000 U	95.3		70-130	
Acetone	ug/L	266.500		200.000	50.000 U	133.2		70-130	*
Methylene chloride	ug/L	18.670		20.000	2.000 U	93.3		70-130	
Methyl-tert-butyl-ether (MTBE)	ug/L	17.240		20.000	1.000 U	86.2		70-130	
1,1-Dichloroethane	ug/L	19.180		20.000	1.000 U	95.9		70-130	
cis-1,2-Dichloroethene	ug/L	19.330		20.000	1.000 U	96.7		70-130	
1,1,1-Trichloroethane	ug/L	19.240		20.000	1.000 U	96.2		70-130	
Carbon tetrachloride	ug/L	20.310		20.000	1.000 U	101.5		70-130	
Benzene	ug/L	18.850		20.000	1.000 U	94.2		70-130	
1,2-Dichloroethane	ug/L	18.820		20.000	1.000 U	94.1		70-130	
Trichloroethene (TCE)	ug/L	18.090		20.000	1.000 U	90.5		70-130	
Toluene	ug/L	18.540		20.000	1.000 U	92.7		70-130	
1,1,2-Trichloroethane	ug/L	18.940		20.000	1.000 U	94.7		70-130	
Tetrachloroethene	ug/L	19.430		20.000	1.000 U	97.2		70-130	
Ethylbenzene	ug/L	18.990		20.000	1.000 U	95.0		70-130	
m&p-Xylenes	ug/L	38.160		40.000	1.000 U	95.4		70-130	
o-Xylene	ug/L	18.620		20.000	1.000 U	93.1		70-130	
1,3-Dichlorobenzene	ug/L	19.120		20.000	1.000 U	95.6		70-130	
1,4-Dichlorobenzene	ug/L	18.880		20.000	1.000 U	94.4		70-130	
1,2-Dichlorobenzene	ug/L	18.650		20.000	1.000 U	93.2		70-130	
Naphthalene	ug/L	19.150		20.000	5.000 U	95.8		70-130	
tert-Butyl alcohol (TBA)	ug/L	236.710		200.000	50.000 U	118.4		70-130	
1,4-Dioxane	ug/L	231.640		200.000	50.000 U	115.8		70-130	
tert-Amyl methyl ether (TAME)	ug/L	18.210		20.000	5.000 U	91.0		70-130	

SEVERN TRENT STL

MADEP MA014
RIDOH57
CTDPH 0494
VT DECWSD
NH DES 253903-A

NELAP FL E87912 TOX
NELAP NJ MA008 TOX
NELAP NY 10843
NY DOH 10843

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QUALITY CONTROL RESULTS

Job Number.: 229910 Report Date.: 10/18/2005

CUSTOMER: Honeywell International PROJECT: SAMPLING FOR BESLEY ATTN: Richard Galloway

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MB	Method Blank				10/07/2005	0125

Test Method.....: SW846 8260B Analyst...: blw
Method Description.: Volatile Organics Batch.....: 50954

Parameter/Test Description	Units	QC Result		QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Vinyl chloride	ug/L	1.000	U							
1,1-Dichloroethene	ug/L	1.000	U							
Acetone	ug/L	50.000	U							
Methylene chloride	ug/L	2.000	U							
Methyl-tert-butyl-ether (MTBE)	ug/L	1.000	U							
1,1-Dichloroethane	ug/L	1.000	U							
cis-1,2-Dichloroethene	ug/L	1.000	U							
1,1,1-Trichloroethane	ug/L	1.000	U							
Carbon tetrachloride	ug/L	1.000	U							
Benzene	ug/L	1.000	U							
1,2-Dichloroethane	ug/L	1.000	U							
Trichloroethene (TCE)	ug/L	1.000	U							
Toluene	ug/L	1.000	U							
1,1,2-Trichloroethane	ug/L	1.000	U							
Tetrachloroethene	ug/L	1.000	U							
Ethylbenzene	ug/L	1.000	U							
m&p-Xylenes	ug/L	1.000	U							
o-Xylene	ug/L	1.000	U							
1,3-Dichlorobenzene	ug/L	1.000	U							
1,4-Dichlorobenzene	ug/L	1.000	U							
1,2-Dichlorobenzene	ug/L	1.000	U							
Naphthalene	ug/L	5.000	U							
tert-Butyl alcohol (TBA)	ug/L	50.000	U							
1,4-Dioxane	ug/L	50.000	U							
tert-Amyl methyl ether (TAME)	ug/L	5.000	U							

SEVERN TRENT STL

MADEP MA014
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QUALITY CONTROL RESULTS

Job Number.: 229910

Report Date.: 10/18/2005

CUSTOMER: Honeywell International | PROJECT: SAMPLING FOR BESLEY | ATTN: Richard Galloway

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
LCD	Laboratory Control Sample Duplicate	M051SPK009	50654		10/13/2005	1533

Test Method.....: SW846 6010B
Method Description.: Metals Analysis (ICP)

Batch.....: 51289

Analyst...: bpg

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Antimony (Sb)	ug/L	1027.17	1031.15	1000.00		102.7		80.0-120.0	
						0.4		20.0	
Arsenic (As)	ug/L	1041.53	1022.52	1000.00		104.2		80.0-120.0	
						1.8		20.0	
Cadmium (Cd)	ug/L	1007.17	990.50	1000.00		100.7		80.0-120.0	
						1.7		20.0	
Chromium (Cr)	ug/L	982.15	968.75	1000.00		98.2		80.0-120.0	
						1.4		20.0	
Copper (Cu)	ug/L	963.84	953.48	1000.00		96.4		80.0-120.0	
						1.1		20.0	
Lead (Pb)	ug/L	995.09	984.38	1000.00		99.5		80.0-120.0	
						1.1		20.0	
Nickel (Ni)	ug/L	929.16	911.52	1000.00		92.9		80.0-120.0	
						1.9		20.0	
Selenium (Se)	ug/L	964.60	956.33	1000.00		96.5		80.0-120.0	
						0.9		20.0	
Silver (Ag)	ug/L	205.11	203.34	200.00		102.6		80.0-120.0	
						0.9		20.0	
Zinc (Zn)	ug/L	961.62	941.67	1000.00		96.2		80.0-120.0	
						2.1		20.0	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

SEVERN TRENT STL

MADEP MA014
RIDOH57
CTDPH 0494
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NH DES 253903-A

NELAP FL E87912 TOX
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QUALITY CONTROL RESULTS

Job Number.: 229910 Report Date.: 10/18/2005

CUSTOMER: Honeywell International PROJECT: SAMPLING FOR BESLEY ATTN: Richard Galloway

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
LCS	Laboratory Control Sample	M05ISPK009	50654		10/13/2005	1527

Test Method.....: SW846 6010B Analyst...: bpg
Method Description.: Metals Analysis (ICP) Batch.....: 51289

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Antimony (Sb)	ug/L	1031.15		1000.00		103.1		80-120	
Arsenic (As)	ug/L	1022.52		1000.00		102.3		80-120	
Cadmium (Cd)	ug/L	990.50		1000.00		99.1		80-120	
Chromium (Cr)	ug/L	968.75		1000.00		96.9		80-120	
Copper (Cu)	ug/L	953.48		1000.00		95.3		80-120	
Lead (Pb)	ug/L	984.38		1000.00		98.4		80-120	
Nickel (Ni)	ug/L	911.52		1000.00		91.2		80-120	
Selenium (Se)	ug/L	956.33		1000.00		95.6		80-120	
Silver (Ag)	ug/L	203.34		200.00		101.7		80-120	
Zinc (Zn)	ug/L	941.67		1000.00		94.2		80-120	

SEVERN TRENT STL

MADEP MA014
RIDOH57
CTDPH 0494
VT DECWSD
NH DES 253903-A

NELAP FL E87912 TOX
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QUALITY CONTROL RESULTS

Job Number.: 229910

Report Date.: 10/18/2005

CUSTOMER: Honeywell International | PROJECT: SAMPLING FOR BESLEY | ATTN: Richard Galloway

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time

Test Method.....: SW846 6010B
Method Description.: Metals Analysis (ICP)

Batch.....: 51289

Analyst...: bpg

MB	Method Blank				10/13/2005	1121

Parameter/Test Description	Units	QC Result		QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Antimony (Sb)	ug/L	6.00	U							
Arsenic (As)	ug/L	10.00	U							
Cadmium (Cd)	ug/L	1.00	U							
Chromium (Cr)	ug/L	5.00	U							
Copper (Cu)	ug/L	10.00	U							
Lead (Pb)	ug/L	5.00	U							
Nickel (Ni)	ug/L	10.00	U							
Selenium (Se)	ug/L	10.00	U							
Silver (Ag)	ug/L	5.00	U							
Zinc (Zn)	ug/L	50.00	U							

MB	Method Blank		50654		10/13/2005	1539

Parameter/Test Description	Units	QC Result		QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Antimony (Sb)	ug/L	6.00	U							
Arsenic (As)	ug/L	10.00	U							
Cadmium (Cd)	ug/L	1.00	U							
Chromium (Cr)	ug/L	5.00	U							
Copper (Cu)	ug/L	10.00	U							
Lead (Pb)	ug/L	5.00	U							
Nickel (Ni)	ug/L	10.00	U							
Selenium (Se)	ug/L	10.00	U							
Silver (Ag)	ug/L	5.00	U							
Zinc (Zn)	ug/L	50.00	U							

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

SEVERN TRENT STL

MADEP MA014
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VT DECWSD
NH DES 253903-A

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QUALITY CONTROL RESULTS

Job Number.: 229910

Report Date.: 10/18/2005

CUSTOMER: Honeywell International | PROJECT: SAMPLING FOR BESLEY | ATTN: Richard Galloway

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MD	Sample Duplicate		229705-10		10/13/2005	1551

Test Method.....: SW846 6010B
Method Description.: Metals Analysis (ICP)

Batch.....: 51289

Analyst...: bpg

Parameter/Test Description	Units	QC Result		QC Result	True Value	Orig. Value		QC Calc.	*	Limits	F
Antimony (Sb)	ug/L	6.00	U			6.00	U	0.0		20.0	
Arsenic (As)	ug/L	10.00	U			10.00	U	0.0		20.0	
Cadmium (Cd)	ug/L	1.00	U			1.00	U	0.0		20.0	
Chromium (Cr)	ug/L	5.00	U			5.00	U	0.0		20.0	
Copper (Cu)	ug/L	10.00	U			10.00	U	0.0		20.0	
Lead (Pb)	ug/L	5.00	U			5.00	U	0.0		20.0	
Nickel (Ni)	ug/L	10.00	U			10.00	U	0.0		20.0	
Selenium (Se)	ug/L	10.00	U			10.00	U	0.0		20.0	
Silver (Ag)	ug/L	5.00	U			5.00	U	0.0		20.0	
Zinc (Zn)	ug/L	50.00	U			50.00	U	0.0		20.0	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

SEVERN TRENT STL

MADEP MA014
RIDOH57
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VT DECWSD
NH DES 253903-A

NELAP FL E87912 TOX
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QUALITY CONTROL RESULTS

Job Number.: 229910

Report Date.: 10/18/2005

CUSTOMER: Honeywell International | PROJECT: SAMPLING FOR BESLEY | ATTN: Richard Galloway

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MS	Matrix Spike	M051SPK009	229705-10		10/13/2005	1556

Test Method.....: SW846 6010B
Method Description.: Metals Analysis (ICP)

Batch.....: 51289

Analyst...: bpg

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Antimony (Sb)	ug/L	1016.66		1000.00	6.00 U	101	%	75-125	
Arsenic (As)	ug/L	1023.33		1000.00	10.00 U	102	%	75-125	
Cadmium (Cd)	ug/L	979.69		1000.00	1.00 U	98	%	75-125	
Chromium (Cr)	ug/L	960.92		1000.00	5.00 U	96	%	75-125	
Copper (Cu)	ug/L	956.18		1000.00	10.00 U	96	%	75-125	
Lead (Pb)	ug/L	970.22		1000.00	5.00 U	97	%	75-125	
Nickel (Ni)	ug/L	906.19		1000.00	10.00 U	91	%	75-125	
Selenium (Se)	ug/L	941.75		1000.00	10.00 U	94	%	75-125	
Silver (Ag)	ug/L	201.07		200.00	5.00 U	100	%	75-125	
Zinc (Zn)	ug/L	935.07		1000.00	50.00 U	93	%	75-125	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

SEVERN TRENT STL

MADEP MA014
RIDOH57
CTDPH 0494
VT DECWSD
NH DES 253903-A

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QUALITY CONTROL RESULTS

Job Number.: 229910 Report Date.: 10/18/2005

CUSTOMER: Honeywell International PROJECT: SAMPLING FOR BESLEY ATTN: Richard Galloway

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
LCD	Laboratory Control Sample Duplicate	M05ISPK009	50654		10/17/2005	1608

Test Method.....: SW846 6010B Analyst...: bpg
Method Description.: Metals Analysis (ICP) Batch.....: 51420

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Iron (Fe)	ug/L	1023.35	1011.03	1000.00		102.3 1.2		80.0-120.0 20.0	

SEVERN TRENT STL

MADEP MA014
RIDOH57
CTDPH 0494
VT DECWSD
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NELAP FL E87912 TOX
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QUALITY CONTROL RESULTS

Job Number.: 229910

Report Date.: 10/18/2005

CUSTOMER: Honeywell International | PROJECT: SAMPLING FOR BESLEY | ATTN: Richard Galloway

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
LCS	Laboratory Control Sample	M05ISPK009	50654		10/17/2005	1605

Test Method.....: SW846 6010B
Method Description.: Metals Analysis (ICP)

Batch.....: 51420

Analyst...: bpg

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Iron (Fe)	ug/L	1011.03		1000.00		101.1		80-120	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

SEVERN TRENT STL

MADEP MA014
RIDOH57
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VT DECWSD
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NELAP FL E87912 TOX
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QUALITY CONTROL RESULTS

Job Number.: 229910

Report Date.: 10/18/2005

CUSTOMER: Honeywell International | PROJECT: SAMPLING FOR BESLEY | ATTN: Richard Galloway

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MB	Method Blank		50654		10/17/2005	1611

Test Method.....: SW846 6010B
Method Description.: Metals Analysis (ICP)

Batch.....: 51420

Analyst...: bpg

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Iron (Fe)	ug/L	50.00	U						

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

SEVERN TRENT STL

MADEP MA014
RIDOH57
CTDPH 0494
VT DECWSD
NH DES 253903-A

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QUALITY CONTROL RESULTS

Job Number.: 229910

Report Date.: 10/18/2005

CUSTOMER: Honeywell International | PROJECT: SAMPLING FOR BESLEY | ATTN: Richard Galloway

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MD	Sample Duplicate		229705-10		10/17/2005	1618

Test Method.....: SW846 6010B
Method Description.: Metals Analysis (ICP)

Batch.....: 51420

Analyst...: bpg

Parameter/Test Description	Units	QC Result		QC Result	True Value	Orig. Value		QC Calc.	*	Limits	F
Iron (Fe)	ug/L	50.00	U			50.00	U	0.0		20.0	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

SEVERN TRENT STL

MADEP MA014
RIDOH57
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VT DECWSD
NH DES 253903-A

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QUALITY CONTROL RESULTS

Job Number.: 229910

Report Date.: 10/18/2005

CUSTOMER: Honeywell International | PROJECT: SAMPLING FOR BESLEY | ATTN: Richard Galloway

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MS	Matrix Spike	M05ISPK009	229705-10		10/17/2005	1621

Test Method.....: SW846 6010B
Method Description.: Metals Analysis (ICP)

Batch.....: 51420

Analyst...: bpg

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Iron (Fe)	ug/L	1029.12		1000.00	50.00 U	101	%	75-125	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

SEVERN TRENT STL

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RIDOH57
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NH DES 253903-A

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QUALITY CONTROL RESULTS

Job Number.: 229910

Report Date.: 10/18/2005

CUSTOMER: Honeywell International PROJECT: SAMPLING FOR BESLEY ATTN: Richard Galloway

Test Method.....: SW846 7470A
Method Description.: Mercury (CVAA) Liquid Waste
Parameter.....: Mercury (Hg)

Batch.....: 51091

Analyst...: bpg
Test Code.: HG

QC	Lab ID	Reagent	Units	QC Result		QC Result	True Value	Orig. Value		QC Calc.	F	*	Limits	Date	Time
MB	50840		ug/L	0.20	U									10/07/2005	1509
LCS	50840	M05ISPK015	ug/L	4.57			5.00			91.4			80-120	10/07/2005	1512
LCD	50840	M05ISPK015	ug/L	4.45		4.57	5.00			89.0			80.0-120.	10/07/2005	1514
										2.7			20.0		
MS	229507-5	M05ISPK015	ug/L	4.75			5.00	0.20	U	97		%	75-125	10/07/2005	1519
MD	229507-5		ug/L	0.20	U			0.20	U	0.0			20.0	10/07/2005	1522

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

SEVERN TRENT STL

MADEP MA014
RIDOH57
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NELAP FL E87912 TOX
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QUALITY CONTROL RESULTS

Job Number.: 229910

Report Date.: 10/18/2005

CUSTOMER: Honeywell International PROJECT: SAMPLING FOR BESLEY ATTN: Richard Galloway

Test Method.....: SW846 9014(MCP) Batch.....: 50858 Analyst...: kmm
Method Description.: Cyanide Test Code.: CN
Parameter.....: Cyanide, Total

QC	Lab ID	Reagent	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	F	*	Limits	Date	Time
LCS		W05IINT002	mg/L	0.10060		0.10000		100.6			80-120	10/06/2005	0000
MB			mg/L	0.01000 U								10/06/2005	0000
LCD		W05IINT002	mg/L	0.09270	0.10060	0.10000		92.7			80.0-120.	10/06/2005	0000
								8.2			20.0		

SEVERN TRENT STL

MADEP MA014
RIDOH57
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QUALITY CONTROL RESULTS

Job Number.: 229910

Report Date.: 10/18/2005

CUSTOMER: Honeywell International | PROJECT: SAMPLING FOR BESLEY | ATTN: Richard Galloway

Test Method.....: SW846 7196A
Method Description.: Hexavalent Chromium
Parameter.....: Hexavalent Chromium

Batch.....: 50725

Analyst...: kmm
Test Code.: CR6

QC	Lab ID	Reagent	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	F	*	Limits	Date	Time
MB			mg/L	0.00500 U								09/30/2005	1800
LCD		W04KLCS001	mg/L	0.04680	0.04680	0.05000		93.6			80.0-120.	09/30/2005	1800
								0.0			20.0		
LCS		W04KLCS001	mg/L	0.04680		0.05000		93.6			80-120	09/30/2005	1800

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

SEVERN TRENT STL

MADEP MA014
RIDOH57
CTDPH 0494
VT DECWSD
NH DES 253903-A

NELAP FL E87912 TOX
NELAP NJ MA008 TOX
NELAP NY 10843
NY DOH 10843

STL Westfield
53 Southampton Rd.
Westfield, MA 01085
Tel: (413) 572-4000
Fax: (413) 572-3707

STL Billerica-Service Center
148 Rangeway Rd.
N. Billerica, MA 01862
Tel: (978) 667-1400
Fax: (978) 667-7871

QUALITY CONTROL RESULTS

Job Number.: 229910

Report Date.: 10/18/2005

CUSTOMER: Honeywell International PROJECT: SAMPLING FOR BESLEY ATTN: Richard Galloway

Test Method.....: EPA 160.2 Batch.....: 50847 Analyst...: rac
Method Description.: Solids, Total Suspended (TSS) Test Code.: TSS
Parameter.....: Solids, Total Suspended (TSS)

QC	Lab ID	Reagent	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	F	*	Limits	Date	Time
LCS		W05JRGT003	mg/L	491.00000		500.00000		98.2			85-115	10/04/2005	0000
LCD		W05JRGT003	mg/L	495.00000	491.00000	500.00000		99.0			85-115	10/04/2005	0000
								0.8			20		
MB			mg/L	5.00000 U								10/04/2005	0000

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: STL WESTFIELD SDG: B093005 - Influent

Job No.: 229910

Lab File ID (Standard): V02528.D Date Analyzed: 10/06/05

Instrument ID: GCMS#2 Time Analyzed: 2352

GC Column: RTX-VMS ID: 0.25 (mm) Heated Purge: (Y/N) N

		IS1 FLB AREA	#	RT	#	IS2 CLB AREA	#	RT	#	IS3 DCB AREA	#	RT	#
	12 HOUR STD	359475		7.52		291710		11.61		133117		13.88	
	UPPER LIMIT	718950		8.02		583420		12.11		266234		14.38	
	LOWER LIMIT	179738		7.02		145855		11.11		66559		13.38	
	SAMPLE NO.												
01	B093005 - Influent	379344		7.52		308481		11.61		137474		13.88	
02	B093005 - Effluent	377747		7.52		305060		11.61		134427		13.88	
03	B093005-TripBlank	379276		7.52		305935		11.61		136205		13.88	
04													
05													
06													
07													
08													
09													
10													
11													
12													
13													
14													
15													
16													
17													
18													
19													
20													
21													
22													

IS1 FLB = FLUOROBENZENE
IS2 CLB = CHLOROBENZENE-D5
IS3 DCB = 1,4DICHLOROBENZENE-D4

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk
* Values outside of QC limits.

STL WESTFIELD is part of Severn Trent Laboratories, Inc. Visit us at www.stl-inc.com.

LABORATORY CERTIFICATIONS:

MADEP MA014, NY NELAC 10843, NJ NELAC MA008 (TOX), FL NELAC E87912 (TOX), CT DPH 0494, NY DOH 10843, NH DES 253901-A, VT DECWSD, RI DOH 57.

LOCATION:

STL Westfield: 53 Southampton Rd, Westfield, MA 01085. Phone: (413) 572-4000 Fax: (413) 572-3707

STL Service Center: 148 Rangeway Rd. N. Billerica, MA 01862. Phone: (978) 667-1400 Fax: (978) 667-7871

DATA REPORTING QUALIFIERS AND TERMINOLOGY:

A number of data qualifiers are widely used within the environmental testing industry and may be utilized in our data reports. The majority of the qualifiers have evolved from the EPA Contract Laboratory Program (CLP).

REPORT COMMENTS:

All pages of this report are integral parts of the analytical data. Therefore, this report should be reproduced only in its entirety.

Soil, sediment and sludge sample results are reported on a "dry weight" basis.

Reporting limits are adjusted for sample size used, dilutions and moisture content, if applicable.

The test results for the noted analytical method(s) meet the requirements of NELAC. Lab Cert.ID# 10843.

According to 40CFR Part 136.3, pH, Total Residual Chlorine and Dissolved Oxygen analyses are to be performed immediately after aqueous sample collection. When these parameters are not indicated as field analyses, they were not analyzed immediately, but as soon as possible on laboratory receipt.

Analytical result(s) reported as "ND" and/or "U", indicates the analyte was analyzed for but "Not Detected."
Analytical result(s) reported as "TNTC" indicates that the microbiological test was "Too Numerous To Count."

GLOSSARY OF QUALIFIERS:

Inorganic Qualifiers (Q-column):

U Indicates that the analyte was analyzed for but not detected.
E Indicates an estimated value due to the presence of interference. When applied to GFAA analysis, indicates the one-point method of addition recovered between 40-85 percent.
B Indicates an estimated result value. The result was measured between the reporting limit and the method detection limit (MDL).
H Indicates the compound/element was found in both the sample and its associated laboratory blank. Indicates possible/probable blank contamination.

Organic Qualifiers (Q-column):

U Indicates that the compound was analyzed for but not detected.
J Indicates an estimated result value. This qualifier is used when mass spectral data indicated the presence of a compound that meets the identification criteria and the result is less than the specified quantitation limit, but greater than the method detection limit (MDL).
B Indicates that the compound was found in both the sample and its associated laboratory blank. Indicates possible/probable blank contamination and warns the data user to exercise caution when applying the results to this compound.
D Indicates all compounds identified in an analysis at a secondary dilution factor.
E Indicates that the compound in an analysis has exceeded the instrument linear calibration range.

SEVERN TRENT STL

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GLOSSARY OF TERMS:

Surrogates (Surrogate Standards): An organic compound, which is similar to the target analyte(s) in chemical composition and behavior in the analytical process, but are not normally found in environmental samples. For semi-volatiles and pesticides/Arochlors, surrogate compounds are added to every blank, sample, matrix spike, matrix spiked duplicate, matrix spike blank (LCS), and standard. These compounds are used to evaluate analytical efficiency by measuring recovery. Poor surrogate recovery may indicate a problem with the sample composition.

Internal Standard: An organic compound, which is similar to the target analyte(s) in chemical composition and behavior in the analytical process. For GC/MS semi-volatiles and volatiles, internal standards are added to every blank, sample, matrix spike, matrix spike duplicate, matrix spike blank (LCS), and standard. Internal standard responses outside of established limits will adversely affect the quantitation and final concentration of target compounds.

Matrix Spike (MS): An aliquot of a sample (water or soil) fortified (spiked) with known quantities of specific compounds (target analytes) and subjected to the entire analytical procedure in order to indicate the appropriateness of the method for matrix interference by measuring recovery. The spiking occurs prior to sample preparation and analysis. Poor spike recovery may indicate a problem with the sample composition.

Laboratory Control Sample (LCS): An aliquot of analyte-free reagent water or sand fortifed (spiked) with known quantities of specific compounds (target analytes) and subjected to the entire analytical procedure in order to indicate the appropriateness of the method efficiency.

Blank: An artificial sample of analyte-free water or solvent, designed to monitor the introduction of contaminates into the analytical process.

Method Dectection Limit (MDL): The minimum concentration of an analyte or compound that can be measured and reported with 99% confidence that the result concentration is greater than zero.

Petroleum Hydrocarbon Comments:

The following comments are specific to Diesel Range Organics (DRO), by GC/FID:

Results for DRO are based on chromatographable portions of the petroleum product. The Carbon Range refers to the approximate chromatographic region covered by the specified petroleum product in straight-chain carbon units between C9-C36.

Quantitation is based on the average response factors for a series of hydrocarbons standards. The sample result from the DRO fraction is independent of the target compound assignment.

Samples yielding chromatographic patterns that do not agree with any of the method targets are reported as "unmatched".

SEVERN TRENT STL

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RIDOH57
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SUBCONTRACTED DATA

SEVERN TRENT STL

STL Chicago
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SEVERN TRENT LABORATORIES
ANALYTICAL REPORT

JOB NUMBER: 240627

Prepared For:

Severn Trent Laboratories
Westfield Executive Park
53 Southampton Road
Westfield, MA 01085

Project: Westfield

Attention: Becky Mason

Date: 10/10/2005

Mary L. McDonald for
Signature

10/10/05
Date

Name: Bonnie M. Stadelmann

Title: Project Manager

E-Mail: bstadelmann@stl-inc.com

STL Chicago
2417 Bond Street
University Park, IL 60466

PHONE: (708) 534-5200
FAX..: (708) 534-5211

This Report Contains (8) Pages

STL Chicago is part of Severn Trent Laboratories, Inc.

SAMPLE INFORMATION

Date: 10/10/2005

Job Number.: 240627
Customer...: Severn Trent Laboratories
Attn.....: Becky Mason

Project Number.....: 20000230
Customer Project ID....: WESTFIELD 229910
Project Description....: Westfield

Laboratory Sample ID	Customer Sample ID	Sample Matrix	Date Sampled	Time Sampled	Date Received	Time Received
240627-1	229910-1	Water	09/30/2005	10:10	10/04/2005	08:40
240627-2	229910-2	Water	09/30/2005	11:00	10/04/2005	08:40

STL Chicago is part of Severn Trent Laboratories, Inc.

Job Number: 240627

LABORATORY TEST RESULTS

Date:10/10/2005

CUSTOMER: Severn Trent Laboratories PROJECT: WESTFIELD 229910 ATTN: Becky Mason

Customer Sample ID: 229910-1
Date Sampled.....: 09/30/2005
Time Sampled.....: 10:10
Sample Matrix.....: Water

Laboratory Sample ID: 240627-1
Date Received.....: 10/04/2005
Time Received.....: 08:40

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
1664A	O&G/TPH Gravimetric (HEM) TPH, Recoverable (SGT-HEM)	5.5	U		2.5	5.5	1	mg/L	162085		10/07/05 0928	nrp

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

Job Number: 240627

LABORATORY TEST RESULTS

Date:10/10/2005

CUSTOMER: Severn Trent Laboratories PROJECT: WESTFIELD 229910 ATTN: Becky Mason

Customer Sample ID: 229910-2
Date Sampled.....: 09/30/2005
Time Sampled.....: 11:00
Sample Matrix.....: Water

Laboratory Sample ID: 240627-2
Date Received.....: 10/04/2005
Time Received.....: 08:40

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
1664A	O&G/TPH Gravimetric (HEM) TPH, Recoverable (SGT-HEM)	5.4	U		2.5	5.4	1	mg/L	162085		10/07/05 0928	nrp

* In Description = Dry Wgt.

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LABORATORY CHRONICLE

Job Number: 240627

Date: 10/10/2005

CUSTOMER: Severn Trent Laboratories PROJECT: WESTFIELD 229910 ATTN: Becky Mason

Lab ID: 240627-1 Client ID: 229910-1 Date Recvd: 10/04/2005 Sample Date: 09/30/2005

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED	DILUTION
1664A	O&G/TPH Gravimetric (HEM)	1	162085	162085	10/07/2005 0928	

Lab ID: 240627-2 Client ID: 229910-2 Date Recvd: 10/04/2005 Sample Date: 09/30/2005

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED	DILUTION
1664A	O&G/TPH Gravimetric (HEM)	1	162085	162085	10/07/2005 0928	

REPORT COMMENTS

1) All pages of this report are integral parts of the analytical data. Therefore, this report should be reproduced only in its entirety.
2) Soil, sediment and sludge sample results are reported on a "dry weight" basis except when analyzed for landfill disposal or incineration parameters. All other solid matrix samples are reported on an "as received" basis unless noted differently.
3) Reporting limits are adjusted for sample size used, dilutions and moisture content if applicable.
4) The test results for the noted analytical method(s) meet the requirements of NELAC. Lab Cert. ID# 100201
5) According to 40CFR Part 136.3, pH, Chlorine Residual and Dissolved Oxygen analyses are to be performed immediately after aqueous sample collection. When these parameters are not indicated as field (e.g. pH Field) they were not analyzed immediately, but as soon as possible on laboratory receipt.

Glossary of flags, qualifiers and abbreviations (any number of which may appear in the report)

Inorganic Qualifiers (Q-Column)

U	Analyte was not detected at or above the stated limit.
<	Not detected at or above the reporting limit.
J	Result is less than the RL, but greater than or equal to the method detection limit.
B	Result is less than the CRDL/RL, but greater than or equal to the IDL/MDL.
S	Result was determined by the Method of Standard Additions.
F	AFCEE: Result is less than the RL, but greater than or equal to the method detection limit.

Inorganic Flags (Flag Column)

-	ICV,CCV,ICB,CCB,ISA,ISB,CRI,CRA,MRL: Instrument related QC exceed the upper or lower control limits.
*	LCS, LCD, MD: Batch QC exceeds the upper or lower control limits.
+	MSA correlation coefficient is less than 0.995.
4	MS, MSD: The analyte present in the original sample is 4 times greater than the matrix spike concentration; therefore, control limits are not applicable.
E	SD: Serial dilution exceeds the control limits.
H	MB, EB1, EB2, EB3: Batch QC is greater than reporting limit or had a negative instrument reading lower than the absolute value of the reporting limit.
N	MS, MSD: Spike recovery exceeds the upper or lower control limits.
W	AS(GFAA) Post-digestion spike was outside 85-115% control limits.

Organic Qualifiers (Q - Column)

U	Analyte was not detected at or above the stated limit.
ND	Compound not detected.
J	Result is an estimated value below the reporting limit or a tentatively identified compound (TIC).
Q	Result was qualitatively confirmed, but not quantified.
C	Pesticide identification was confirmed by GC/MS.
Y	The chromatographic response resembles a typical fuel pattern.
Z	The chromatographic response does not resemble a typical fuel pattern.
E	Result exceeded calibration range, secondary dilution required.
F	AFCEE:Result is an estimated value below the reporting limit or a tentatively identified compound (TIC)

Organic Flags (Flags Column)

B	MB: Batch QC is greater than reporting limit.
*	LCS, LCD, ELC, ELD, CV, MS, MSD, Surrogate: Batch QC exceeds the upper or lower control limits.
-	EB1, EB2, EB3, MLE: Batch QC is greater than reporting Limit
A	Concentration exceeds the instrument calibration range
a	Concentration is below the method Reporting Limit (RL)
B	Compound was found in the blank and sample.
D	Surrogate or matrix spike recoveries were not obtained because the extract was diluted for analysis; also compounds analyzed at a dilution will be flagged with a D.
H	Alternate peak selection upon analytical review
I	Indicates the presence of an interfence, recovery is not calculated.
M	Manually integrated compound.
P	The lower of the two values is reported when the % difference between the results of two GC columns is

greater than 25%.

Abbreviations

AS	Post Digestion Spike (GFAA Samples - See Note 1 below)
Batch	Designation given to identify a specific extraction, digestion, preparation set, or analysis set
CAP	Capillary Column CCB Continuing Calibration Blank
CCV	Continuing Calibration Verification
CF	Confirmation analysis of original
C1	Confirmation analysis of A1 or D1
C2	Confirmation analysis of A2 or D2
C3	Confirmation analysis of A3 or D3
CRA	Low Level Standard Check - GFAA; Mercury
CRI	Low Level Standard Check - ICP
CV	Calilbration Verification Standard
Dil Fac	Dilution Factor - Secondary dilution analysis
D1	Dilution 1
D2	Dilution 2
D3	Dilution 3
DLFac	Detection Limit Factor
DSH	Distilled Standard - High Level
DSL	Distilled Standard - Low Level
DSM	Distilled Standard - Medium Level
EB1	Extraction Blank 1
EB2	Extraction Blank 2
EB3	DI Blank
ELC	Method Extracted LCS
ELD	Method Extracted LCD
ICAL	Initial calibration
ICB	Initial Calibration Blank
ICV	Initial Calibration Verification
IDL	Instrument Detection Limit
ISA	Interference Check Sample A - ICAP
ISB	Interference Check Sample B - ICAP
Job No.	The first six digits of the sample ID which refers to a specific client, project and sample group Lab ID An 8 number unique laboratory identification
LCD	Laboratory Control Standard Duplicate
LCS	Laboratory Control Standard with reagent grade water or a matrix free from the analyte of interest
MB	Method Blank or (PB) Preparation Blank
MD	Method Duplicate
MDL	Method Detection Limit
MLE	Medium Level Extraction Blank
MRL	Method Reporting Limit Standard
MSA	Method of Standard Additions
MS	Matrix Spike
MSD	Matrix Spike Duplicate
ND	Not Detected
PREPF	Preparation factor used by the Laboratory's Information Management System (LIMS)
PDS	Post Digestion Spike (ICAP)
RA	Re-analysis of original
A1	Re-analysis of D1
A2	Re-analysis of D2
A3	Re-analysis of D3
RD	Re-extraction of dilution
RE	Re-extraction of original
RC	Re-extraction Confirmation
RL	Reporting Limit
RPD	Relative Percent Difference of duplicate (unrounded) analyses
RRF	Relative Response Factor
RT	Retention Time

RTW	Retention Time Window Sample ID A 9 digit number unique for each sample, the first six digits are referred as the job number
SCB	Seeded Control Blank
SD	Serial Dilution (Calculated when sample concentration exceeds 50 times the MDL)
UCB	Unseeded Control Blank
SSV	Second Source Verification Standard
SLCS	Solid Laboratory Control Standard(LCS)
PHC	pH Calibration Check LCSP pH Laboratory Control Sample
LCDP	pH Laboratory Control Sample Duplicate
MDPH	pH Sample Duplicate
MDFP	Flashpoint Sample Duplicate
LCFP	Flashpoint LCS
G1	Gelex Check Standard Range 0-1
G2	Gelex Check Standard Range 1-10
G3	Gelex Check Standard Range 10-100
G4	Gelex Check Standard Range 100-1000

Note 1: The Post Spike Designation on Batch QC for GFAA is designated with an "S" added to the current abbreviation used. EX. LCS S=LCS Post Spike (GFAA); MSS=MS Post Spike (GFAA)
Note 2: The MD calculates an absolute difference (A) when the sample concentration is less than 5 times the reporting limit. The control limit is represented as +/- the RL.

10/03/2005

STL Westfield
53 Southampton Rd.
Westfield, MA 01085

240627

RE: Subcontracting Chain of Custody

STL WF PM:	Rebecca C. Mason
Telephone Number:	413-572-4000
PO/Job#:	229910
Client:	Honeywell International
Final Report Due Date:	10/10/2005 by 3pm
Report Type:	batch QC
EDD Type:	none
QC Billable:	N

	Samp#	Sample I.D.	Sampled	Time
1	1	B093005 - Influent	09/30/2005	1010
2	2	B093005 - Effluent	09/30/2005	1100

Please run QC on sample:

Mthds	Method Description / Sample Distribution	#of	Analytical Mthd Unit Price	Extended
1664	TPH		Method 1664	
	1-2	2	[redacted]	[redacted]
			Total Cost	[redacted]

Matrix: groundwater
Bottle Type & Number: amber liter

Ship To: STL Chicago
Ship Date: 10/3/05

Special Instructions:

Relinquished By:
Signature: _____ Date: 10/3/ Time: 12:00

Received By:
Signature: _____ Date: 10/4/05 Time: 0840

Relinquished By:
Signature: Date: Time:

Received By:
Signature: Date: Time:

Please send a sample confirmation report upon sample receipt.

rpjsckl | Job Sample Receipt Checklist Report | V2

Job Number.: 229910 Location.: 57345 Check List Number.: 1 Description.:
Customer Job ID.....: Job Check List Date.: Date of the Report..: 09/30/2005
Project Number.: 20001517 Project Description.: Sampling for Besley Project Manager.....: bcm
Customer.....: Honeywell International Contact.: Richard Galloway

Questions ?	(Y/N)	Comments
Chain-of-Custody Present?	Y	
...If "yes", completed properly?	Y	
Custody seal on shipping container?	N	
...If "yes", custody seal intact?		
Custody seals on sample containers?	N	
...If "yes", custody seal intact?		
Samples iced?	Y	
Temperature of cooler acceptable? (4 deg C +/- 2).	Y	
...Temperature at receipt_____		4.6 C
Samples received intact (good condition)?	Y	
Volatile samples acceptable? (no headspace)	Y	
Is a Trip Blank required?	Y	
Was a Trip Blank provided?	Y	
Correct containers used?	Y	
Adequate sample volume provided?	Y	
Samples preserved correctly?	Y	
Samples received within holding-time?	Y	
Agreement between COC and sample labels?	Y	
Comments		stl pickup
If samples were shipped was there an air bill #?..		
Sample Custodian Signature/Date		kar 09302005 KAR 9/30/05

This is Page 1(A)

Severn Trent Laboratories, Inc.
Chain of Custody Form

SEVERN TRENT STL

24148

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(F) 413-572-3707
STL Westfield

•149 Rangeway Road
N. Billerica, MA 01862
(P) 978-667-1400
(F) 978-667-7871
STL Billerica / Service Center

Client: Honeywell Int'l, Inc
Address: 101 Columbia Rd
Morristown, NJ
Phone: Fax:

Project #: 36502S0043
Project Manager: R. Galloway
Work ID: Bendix Products
Contact: Mike Apfelbaum @ MACTEC

Job# 229910 | Quote# | PO#

Requested Turnaround Time (PLEASE SPECIFY)
STANDARD X
RUSH ____ *(Lab Approval Required)*

Regulatory Classification
NPDES ____ Drinking Water ____
RCRA ____ MCP GW1/S1 ____
Other ____

Special Report Format
QA/QC Report ____
DQE (MCP) Rpt ____
DEP Form(s) ____

Shaded areas for office use

Analysis Requested
Check analysis and specify method and analytes in comments section.
For example:
500-series for drinking water
600-series for waste water, NPDES
6000-series for groundwater, soil, waste
8000-series for groundwater, soil, waste
Use comments section to further define.

Comments
(Special Instructions)

Please print legibility. If the analytical requests are not clearly defined on the chain-of-custody, the turnaround time will begin after all questions have been satisfactorily answered.

Refer to Methods and requirements provided to lab by MACTEC

Sample Type Codes
WW-Wastewater DW-Drinking water SW-Surface water
LW-Lab water GW-Groundwater A-Air
S-Solid / Soil SL-Sludge O-Oil Z-Other

Sample ID	Sample Type	Sampler's Initials	Date Time Collected	Grab	Comp.	# Containers	Plastic(P) or Glass(G)	Preservative: NaHSO4/MeOH	HNO3 to pH <2	H2SO4 to pH <2	HCl to pH <2	NaOH to pH >12	Na2S2O3	None / 4° C	Volatiles 524 /624 (8260)	Volatiles 601 /602 (8021)	Semivoa 525 /625 (8270)	PCB / Pest / Herbicide	EPH / VPH TPH 16	DRO / GRO / ETPH	Metals (6010) / 200.7	Mercury 245.1 / 7470.71	General Chemistry TSS	Bacteriological	Toxicity	Oil & Grease / TOC	Radchem / Other
B093005-Influent	GW	MAA	9-30-05 1010	X		4	G				X				X		X										
				X		3	G						X			X											
				X		2	G							X			X										
				X		1	G							X				X									
				X		2	G				X								X								
				X		1	P							X						X							
				X		1	P		X												X						
				X		1	P					X										X					
				X		1	P							X									X				

9/30/05 11am

Sampled by (print): MAA
Signature: MAA

Relinquished by:	Date:	Time:	Received by:	Date:	Time:
MAA	9/30/05	1500		9/30/05	1534
	9/30/05	1639	MAA	9/30/05	16:39
	Date:	Time:		Date:	Time:

Cooler? Y / N
MADEP Requirement Samples Iced? Y / N
Temp @ receipt: 4.6 °C
Preservation / pH checked? Y / N
By: MAA Date: 9/30/05

STL WESTFIELD

White = Lab file Yellow = Report copy Pink = Customer copy

Severn Trent Laboratories, Inc.
Chain of Custody Form

SEVERN TRENT STL

24168

•53 Southampton Road
Westfield, MA 01085
(P) 413-572-4000
(F) 413-572-3707
STL Westfield

•149 Rangeway Road
N. Billerica, MA 01862
(P) 978-667-1400
(F) 978-667-7871
STL Billerica / Service Center

Client: Honeywell Int'l, Inc
Address:
Phone: Fax:
Project #: 36500500 43
Project Manager:
Work ID: Resly Products
Contact: M. Apablaza

Job# 229910 | Quote# | PO#

Requested Turnaround Time (PLEASE SPECIFY)
STANDARD X
RUSH ____ *(Lab Approval Required)*

Regulatory Classification
NPDES ____ Drinking Water ____
RCRA ____ MCP GW1/S1 ____
Other ____

Special Report Format
QA/QC Report ____
DQE (MCP) Rpt ____
DEP Form(s) ____

Sample Type Codes
WW-Wastewater DW-Drinking water SW-Surface water
LW-Lab water GW-Groundwater A-Air
S-Solid / Soil SL-Sludge O-Oil Z-Other

Shaded areas for office use

Analysis Requested
Check analysis and specify method and analytes in comments section.
For example:
500-series for drinking water
600-series for waste water, NPDES
6000-series for groundwater, soil, waste
8000-series for groundwater, soil, waste
Use comments section to further define.

Comments (Special Instructions)
Please print legibility. If the analytical requests are not clearly defined on the chain-of-custody, the turnaround time will begin after all questions have been satisfactorily answered.

Trip Blank time/date taken from Initial

Sample ID	Sample Type	Sampler's Initials	Date Time Collected	Grab	Comp.	# Containers	Plastic(P) or Glass(G)	Preservative: NaHSO4/MeOH	HNO3 to pH <2	H2SO4 to pH <2	HCl to pH <2	NaOH to pH >12	Na2S2O3	None / 4° C	Volatiles 524 /624 (8260)	Volatiles 601 /602 (8021)	Semivoa 525 /625 (8270)	PCB / Pest / Herbicide	EPH / VPH / TPH 1664	BRO / GRO / ETPH	Metals 6010 / 200.7	Mercury 245.1 / 7470 / 74	General Chemistry TDH	Bacteriological	Toxicity	Oil & Grease / TOC	Radchem / Other
B093005-Effluent	GW	MAA	9.30-05 1100	X							X				X												
				X									X			X											
				X										X			X										
				X										X			X										
				X							X							X									
				X										X					X								
				X					X											X							
				X							X										X						
				X										X								X					
B093005-Trip Blank	TB		9/29/05 0900	X							X				X												
Sampled by (print): MAA				Signature: MAA																							

Relinquished by: MAA	Date: 9/30/05	Time: 1530	Received by:	Date:	Time:
Relinquished by:	Date: 9/30/05	Time: 1639	Received by:	Date: 9/30/05	Time: 1534
Relinquished by:	Date:	Time:	Received by:	Date: 9/30/05	Time: 16:39

Cooler ? Y / N
MADEP Requirement Samples Iced? Y / N
Temp @ receipt: 4.6 °C
Preservation / pH checked? Y / N
By: ____ Date: 9/30/05

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